

# Monthly Electricity Statistics

## December 2011

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 Americas, OECD Asia Oceania and IEA Total. The units are terawatt hours (TWh) for the groupings and gigawatt hours (GWh) for the individual countries.

### Highlights

#### December 2011 vs. December 2010

Total OECD production reached 891.7 TWh, a decrease of 5.3% or 49.6 TWh over the same month last year.

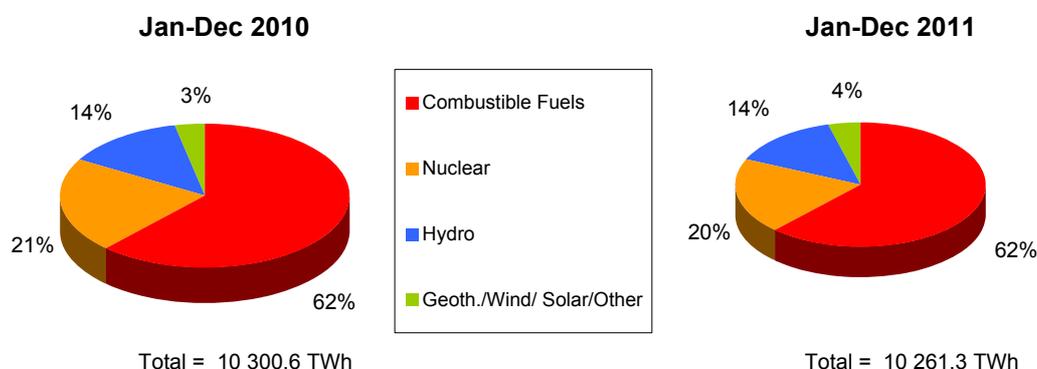
- Production from geothermal/solar/wind/other increased in OECD Europe by 60.1%, and in OECD Americas by 26.4% for an OECD total increase of 40.1%.
- Production from nuclear decreased in all OECD regions. OECD Asia Oceania saw a decrease of 52.8%, followed by OECD Europe with 7.3% and OECD Americas with 2.5% for an OECD total decrease of 13.3%.

#### January - December 2011 vs. the same period in 2010

Total OECD production reached 10 262.4 TWh, a decrease of 0.4% or 42.4 TWh over the same period last year.

- Production from geothermal/solar/wind/other increased in all OECD regions. The largest percentage increase was seen in OECD Asia Oceania (80.7%), followed by OECD Europe (28.9%) and OECD Americas (28.5%).
- Trade volumes increased in both OECD Europe (9.4%) and OECD Americas (4.8%).

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



**CONTENTS**

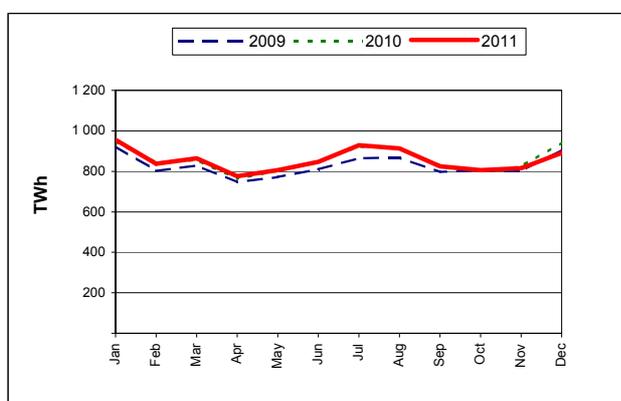
	Page #
<b>ORGANISATIONAL AND REGIONAL TABLES</b>	
OECD Total .....	1
OECD Europe .....	2
OECD Americas .....	3
OECD Asia Oceania .....	4
IEA Total .....	5
<b>COUNTRY TABLES</b>	
Australia .....	6
Austria .....	7
Belgium .....	8
Canada .....	9
Chile .....	10
Czech Republic .....	11
Denmark .....	12
Estonia .....	13
Finland .....	14
France .....	15
Germany .....	16
Greece .....	17
Hungary .....	18
Iceland .....	19
Ireland .....	20
Italy .....	21
Japan .....	22
Korea .....	23
Luxembourg .....	24
Mexico .....	25
Netherlands .....	26
New Zealand .....	27
Norway .....	28
Poland .....	29
Portugal .....	30
Slovak Republic .....	31
Slovenia .....	32
Spain .....	33
Sweden .....	34
Switzerland .....	35
Turkey .....	36
United Kingdom .....	37
United States .....	38
<b>PRINCIPLES AND DEFINITIONS</b> .....	<b>39</b>

## OECD Total

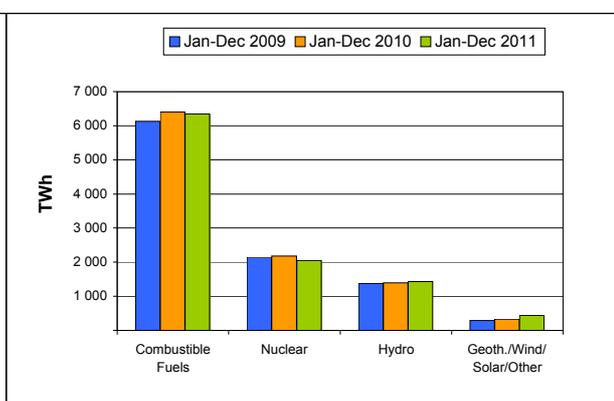
	TWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	546.4	-5.3%	525.0	504.3	507.9	6 349.1	-0.8%	6 397
+ Nuclear	175.9	-13.3%	156.9	155.0	157.7	2 045.8	-6.3%	2 183
+ Hydro	122.7	-4.1%	110.6	108.1	111.4	1 430.4	2.6%	1 394
+ Geoth./Wind/Solar/Other	46.7	40.1%	31.8	38.3	37.7	436.9	32.2%	330
<b>= Indigenous Production</b>	<b>891.7</b>	<b>-5.3%</b>	<b>824.3</b>	<b>805.7</b>	<b>814.7</b>	<b>10 262.4</b>	<b>-0.4%</b>	<b>10 305</b>
+ Imports	40.0	20.6%	31.7	34.9	37.1	425.0	6.4%	399
- Exports	42.0	19.7%	32.9	35.9	38.3	434.2	11.0%	391
<b>= Electricity Supplied</b>	<b>889.7</b>	<b>-5.3%</b>	<b>823.1</b>	<b>804.7</b>	<b>813.5</b>	<b>10 253.1</b>	<b>-0.6%</b>	<b>10 313</b>

- Electricity production was 891.7 TWh in December 2011.
  - This was lower by 49.6 TWh, or 5.3%, compared to December 2010.
  - This was an increase of 77.0 TWh, or 9.4%, 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 23.7%, or 9.0 TWh.
- Total production for the year-to-date was 10 262.4 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 42.4 TWh, or 0.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 32.2% higher.
  - Trade volume increased by 68.5 TWh, or 8.7%.

## Electricity Production Compared to Previous Year



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



## COUNTRY NOTES:

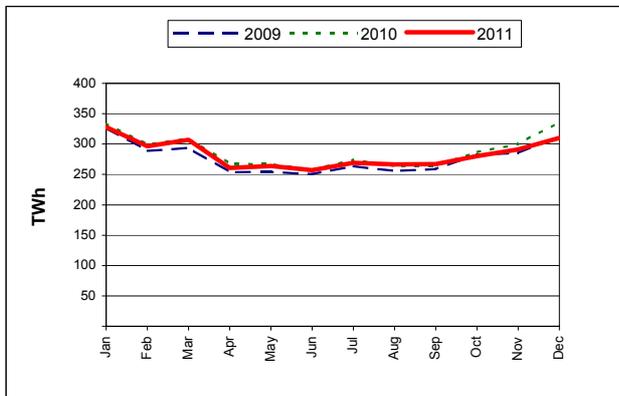
- OECD Total includes Australia, Austria, Belgium, Canada, Chile, the Czech Republic, Estonia, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Korea, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, Spain, Sweden, the Slovak Republic, Slovenia, Switzerland, Turkey, the United Kingdom and the United States.
- Israel, a new member of the OECD community, is not yet included in this report.

## OECD Europe

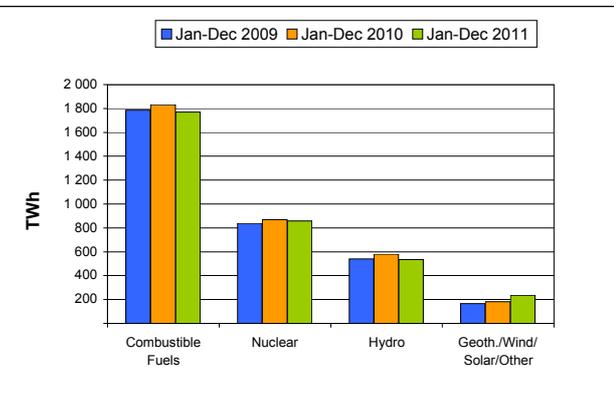
	TWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	156.1	-13.0%	141.4	148.9	159.8	1 769.3	-3.4%	1 831
+ Nuclear	78.6	-7.3%	63.9	65.7	68.3	858.8	-1.1%	868
+ Hydro	47.6	-12.7%	43.2	44.3	45.2	534.1	-8.1%	581
+ Geoth./Wind/Solar/Other	28.0	60.1%	18.5	21.2	18.1	234.8	28.9%	182
<b>= Indigenous Production</b>	<b>310.3</b>	<b>-7.7%</b>	<b>267.0</b>	<b>280.1</b>	<b>291.4</b>	<b>3 397.0</b>	<b>-1.9%</b>	<b>3 462</b>
+ Imports	34.8	13.7%	26.5	30.1	32.3	356.6	5.5%	338
- Exports	36.8	35.6%	27.8	31.3	33.7	365.9	13.5%	322
<b>= Electricity Supplied</b>	<b>308.3</b>	<b>-9.2%</b>	<b>265.7</b>	<b>278.9</b>	<b>290.1</b>	<b>3 387.7</b>	<b>-2.6%</b>	<b>3 478</b>

- Electricity production was 310.3 TWh in December 2011.
  - This was lower by 25.9 TWh, or 7.7%, compared to December 2010.
  - This was an increase of 18.9 TWh, or 6.5%, 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 55.1%, or 9.9 TWh.
- Total production for the year-to-date was 3 397.0 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 65.1 TWh, or 1.9%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 28.9% higher.
  - Trade volume increased by 62.3 TWh, or 9.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

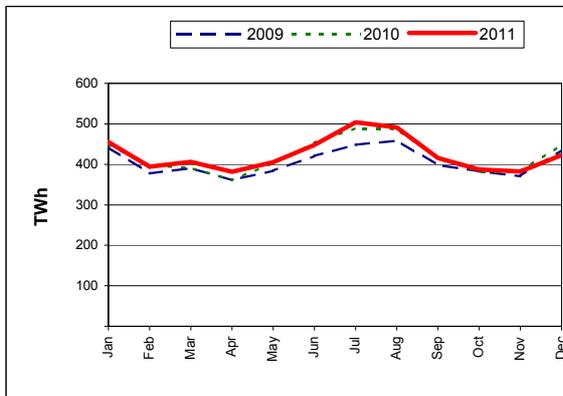
- OECD Europe includes Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Portugal, Spain, Sweden, Norway, Poland, the Slovak Republic, Slovenia, Switzerland, Turkey and the United Kingdom.

## OECD Americas

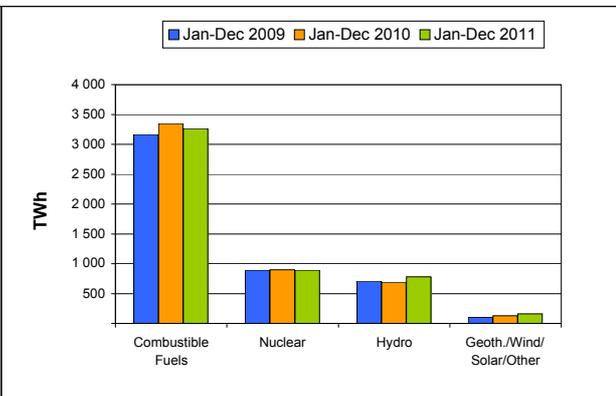
	TWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	260.1	-10.2%	273.4	246.2	236.1	3 261.4	-2.6%	3 349
+ Nuclear	80.5	-2.5%	75.4	71.5	71.5	890.7	-0.9%	899
+ Hydro	67.2	4.0%	56.1	55.3	58.6	778.2	13.1%	688
+ Geoth./Wind/Solar/Other	14.7	26.4%	10.4	14.1	16.6	161.8	28.5%	126
<b>= Indigenous Production</b>	<b>422.5</b>	<b>-5.8%</b>	<b>415.3</b>	<b>387.1</b>	<b>382.7</b>	<b>5 092.0</b>	<b>0.6%</b>	<b>5 061</b>
+ Imports	5.2	102.6%	5.2	4.7	4.7	68.4	11.2%	61
- Exports	5.2	-34.7%	5.1	4.6	4.6	68.3	-1.0%	69
<b>= Electricity Supplied</b>	<b>422.6</b>	<b>-4.6%</b>	<b>415.3</b>	<b>387.2</b>	<b>382.8</b>	<b>5 092.1</b>	<b>0.8%</b>	<b>5 054</b>

- Electricity production was 422.5 TWh in December 2011.
  - This was lower by 26.0 TWh, or 5.8%, compared to December 2010.
  - This was an increase of 39.8 TWh, or 10.4%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 14.7%, or 8.6 TWh.
- Total production for the year-to-date was 5 092.0 TWh. Comparing this to the same period last year shows that:
  - Total production was higher by 30.8 TWh, or 0.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 28.5% higher.
  - Trade volume increased by 6.2 TWh, or 4.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

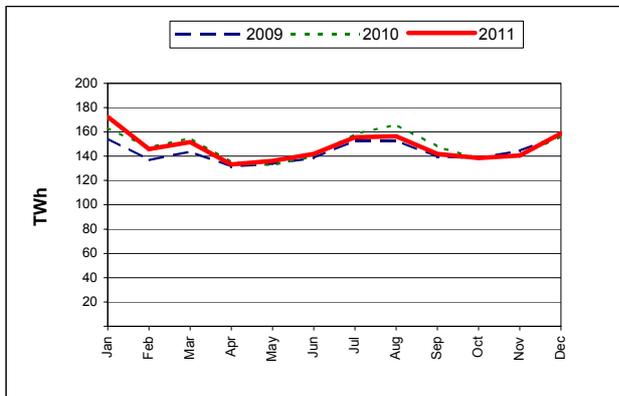
- OECD Americas includes Canada, Chile, Mexico and the United States.

## OECD Asia Oceania

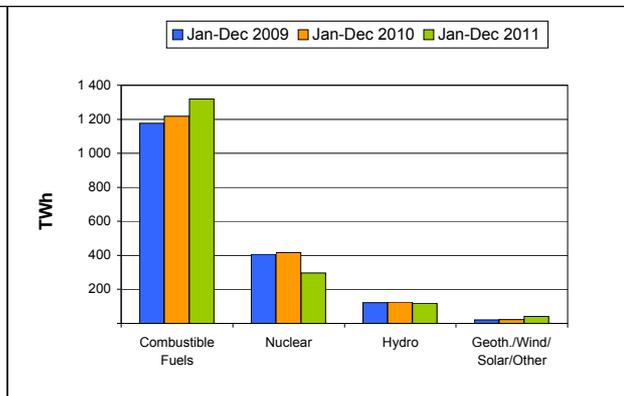
	TWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	130.1	20.6%	110.2	109.3	111.9	1 318.5	8.3%	1 218
+ Nuclear	16.8	-52.8%	17.6	17.8	17.9	296.3	-28.8%	416
+ Hydro	7.9	-10.7%	11.3	8.5	7.6	118.1	-5.6%	125
+ Geoth./Wind/Solar/Other	4.0	-4.9%	2.9	3.0	3.1	40.4	80.7%	22
<b>= Indigenous Production</b>	<b>158.8</b>	<b>1.5%</b>	<b>142.0</b>	<b>138.6</b>	<b>140.6</b>	<b>1 773.3</b>	<b>-0.5%</b>	<b>1 781</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>158.8</b>	<b>1.5%</b>	<b>142.0</b>	<b>138.6</b>	<b>140.6</b>	<b>1 773.3</b>	<b>-0.5%</b>	<b>1 781</b>

- Electricity production was 158.8 TWh in December 2011.
  - This was higher by 2.3 TWh, or 1.5%, compared to December 2010.
  - This was an increase of 18.3 TWh, or 13%, 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 28%, or 0.9 TWh.
- Total production for the year-to-date was 1 773.3 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 8.1 TWh, or 0.5%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 80.7% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

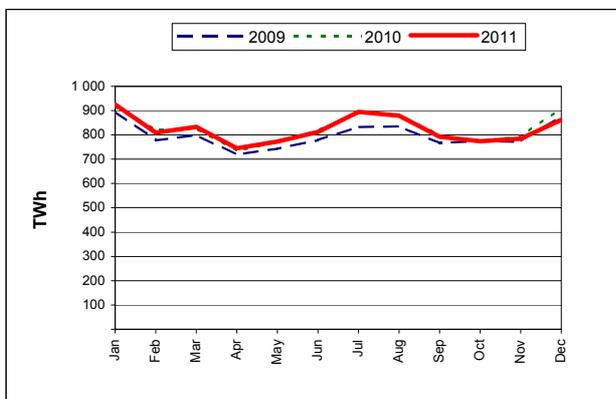
- OECD Asia Oceania includes Australia, Japan, Korea and New Zealand.
- Israel, a new member of the OECD community, is not yet included in this report.

## IEA Total

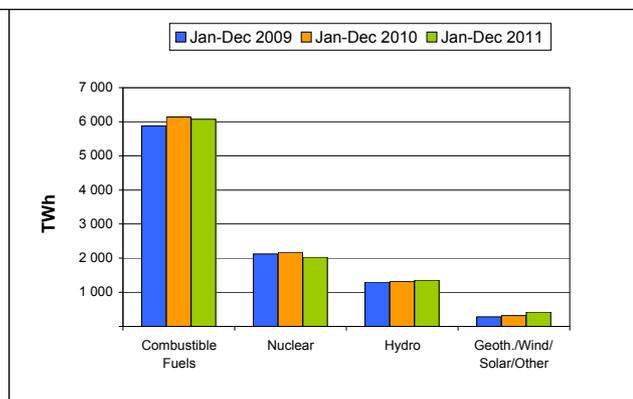
	TWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	524.8	-5.3%	502.6	482.2	486.7	6 068.9	-1.1%	6 134
+ Nuclear	174.3	-13.7%	155.5	153.6	156.6	2 030.3	-6.5%	2 172
+ Hydro	116.7	-4.7%	103.0	100.9	104.8	1 357.7	3.0%	1 319
+ Geoth./Wind/Solar/Other	45.6	41.3%	30.8	37.2	36.7	425.1	33.3%	319
<b>= Indigenous Production</b>	<b>861.4</b>	<b>-5.5%</b>	<b>791.9</b>	<b>774.0</b>	<b>784.8</b>	<b>9 882.0</b>	<b>-0.6%</b>	<b>9 944</b>
+ Imports	38.9	20.3%	30.7	33.6	35.9	411.5	5.8%	389
- Exports	40.4	20.9%	31.6	34.3	36.7	415.9	10.8%	375
<b>= Electricity Supplied</b>	<b>859.9</b>	<b>-5.5%</b>	<b>791.0</b>	<b>773.3</b>	<b>784.1</b>	<b>9 877.6</b>	<b>-0.8%</b>	<b>9 958</b>

- Electricity production was 861.4 TWh in December 2011.
  - This was lower by 49.8 TWh, or 5.5%, compared to December 2010.
  - This was an increase of 76.6 TWh, or 9.8%, 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 24.2%, or 8.9 TWh.
- Total production for the year-to-date was 9 882.0 TWh. Comparing this to the same period last year shows that:
  - Total production was lower by 61.9 TWh, or 0.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 33.3% higher.
  - Trade volume increased by 63.0 TWh, or 8.2%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

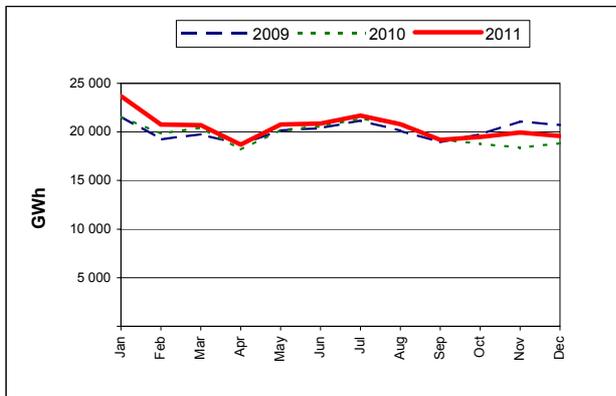
- IEA includes all countries included in OECD Total except Chile, Estonia, Iceland, Mexico and Slovenia.

## AUSTRALIA

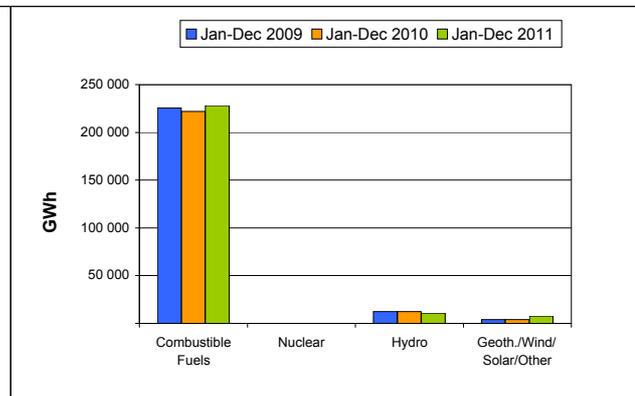
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	18 222	5.9%	17 360	18 078	18 476	227 917	2.7%	221 895
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	678	-45.8%	920	750	807	10 574	-15.6%	12 522
+ Geoth./Wind/Solar/Other	676	62.9%	891	667	665	7 662	87.6%	4 084
<b>= Indigenous Production</b>	<b>19 576</b>	<b>3.8%</b>	<b>19 171</b>	<b>19 495</b>	<b>19 948</b>	<b>246 156</b>	<b>3.2%</b>	<b>238 502</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>19 576</b>	<b>3.8%</b>	<b>19 171</b>	<b>19 495</b>	<b>19 948</b>	<b>246 156</b>	<b>3.2%</b>	<b>238 502</b>

- Electricity production was 19 576 GWh in December 2011.
  - This was higher by 710 GWh, or 3.8%, compared to December 2010.
  - This was a decrease of 372 GWh, or 1.9%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with a decrease of 16%, or 129 GWh.
- Total production for the year-to-date was 246 156 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 7 654 GWh, or 3.2%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 87.6% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

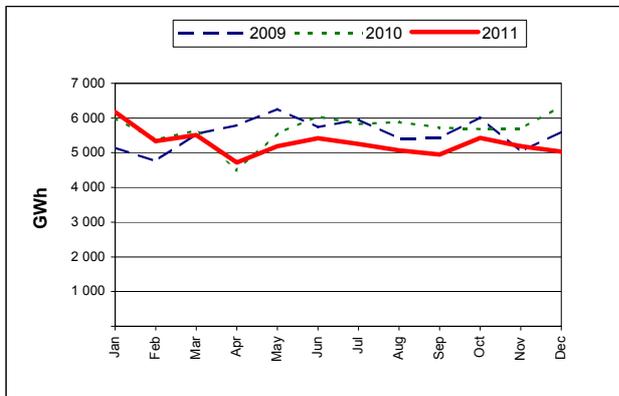
- Excludes the overseas territories.

## AUSTRIA

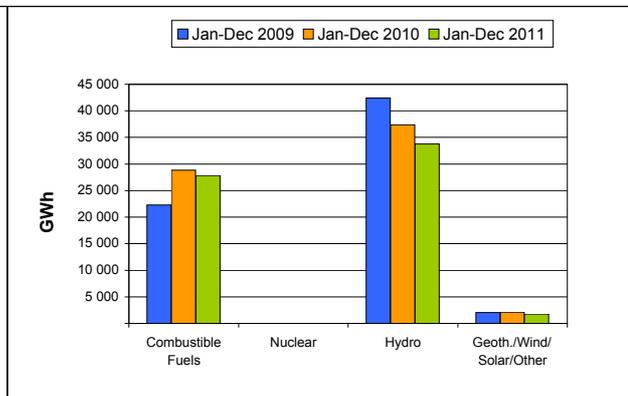
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	2 670	-18.4%	1 949	2 279	2 809	27 811	-3.6%	28 852
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	2 180	-24.3%	2 876	3 004	2 281	33 747	-9.7%	37 358
+ Geoth./Wind/Solar/Other	178	-9.2%	126	140	101	1 713	-17.7%	2 082
<b>= Indigenous Production</b>	<b>5 027</b>	<b>-20.8%</b>	<b>4 951</b>	<b>5 423</b>	<b>5 191</b>	<b>63 272</b>	<b>-7.3%</b>	<b>68 291</b>
+ Imports	3 080	53.0%	1 788	2 130	2 568	24 980	26.5%	19 745
- Exports	1 454	-12.5%	1 101	1 661	1 586	16 754	-4.4%	17 528
<b>= Electricity Supplied</b>	<b>6 653</b>	<b>-0.6%</b>	<b>5 638</b>	<b>5 892</b>	<b>6 173</b>	<b>71 498</b>	<b>1.4%</b>	<b>70 508</b>

- Electricity production was 5 027 GWh in December 2011.
  - This was lower by 1 317 GWh, or 20.8%, compared to December 2010.
  - This was a decrease of 164 GWh, or 3.2%, 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 76.2%, or 77 GWh.
- Total production for the year-to-date was 63 272 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 5 019 GWh, or 7.3%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 17.7% lower.
  - Trade volume increased by 4 461 GWh, or 12%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

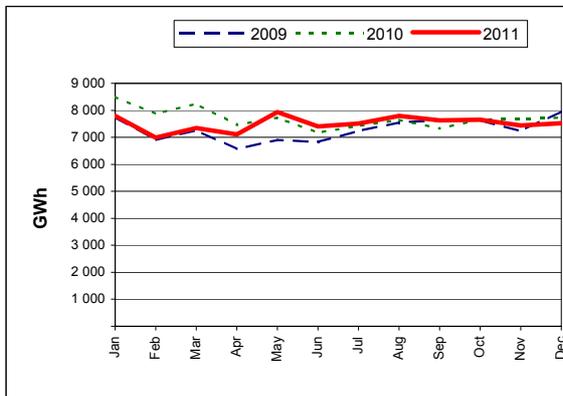
## BELGIUM

GWh

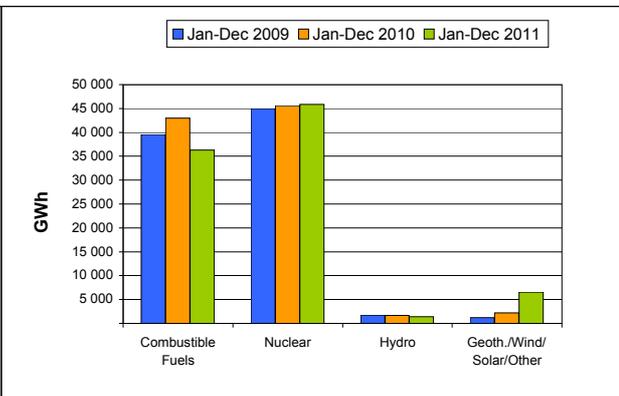
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	2 928	-22.6%	2 843	3 158	3 155	36 324	-15.5%	43 001 e
+ Nuclear	3 916	8.2%	3 935	3 651	3 726	45 829	0.5%	45 617
+ Hydro	145	-4.6%	120	125	107	1 411	-14.9%	1 659
+ Geoth./Wind/Solar/Other	532	200.6%	734	714	455	6 553	193.3%	2 234
<b>= Indigenous Production</b>	<b>7 521</b>	<b>-2.7%</b>	<b>7 632</b>	<b>7 647</b>	<b>7 443</b>	<b>90 120</b>	<b>-2.6%</b>	<b>92 513 e</b>
+ Imports	1 161	-27.3%	804	928	1 055	13 209	6.5%	12 404
- Exports	712	40.4%	1 042	736	727	10 656	-10.0%	11 842
<b>= Electricity Supplied</b>	<b>7 970</b>	<b>-9.6%</b>	<b>7 394</b>	<b>7 839</b>	<b>7 771</b>	<b>92 673</b>	<b>-0.4%</b>	<b>93 075 e</b>

- Electricity production was 7 521 GWh in December 2011.
  - This was lower by 211 GWh, or 2.7%, compared to December 2010.
  - This was an increase of 78 GWh, or 1%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 35.5%, or 38 GWh.
- Total production for the year-to-date was 90 120 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 2 393 GWh, or 2.6%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 193.3% higher.
  - Trade volume decreased by 381 GWh, or 1.6%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



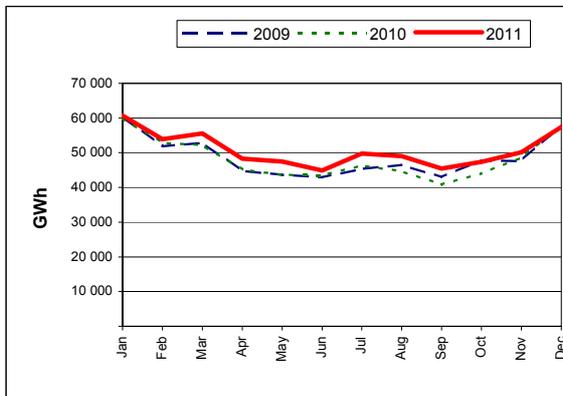
## COUNTRY NOTES:

## CANADA

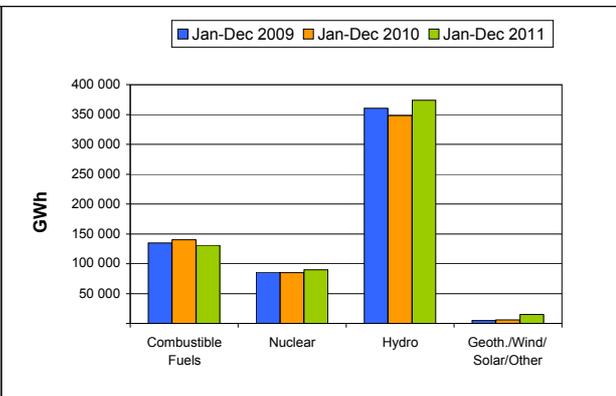
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	11 351	-8.1%	10 384	10 666	11 169	131 026	-6.6%	140 229 e
+ Nuclear	7 581	-11.4%	7 567	7 211	6 299	90 035	5.7%	85 220
+ Hydro	36 385	1.5%	26 268	27 901	30 529	373 540	7.3%	348 127
+ Geoth./Wind/Solar/Other	2 057	199.9%	1 220	1 568	2 102	15 191	156.5%	5 922
<b>= Indigenous Production</b>	<b>57 374</b>	<b>-0.2%</b>	<b>45 438</b>	<b>47 346</b>	<b>50 100</b>	<b>609 793</b>	<b>5.2%</b>	<b>579 497 e</b>
+ Imports	850	-28.3%	949	881	1 105	14 527	-22.0%	18 631
- Exports	4 157	6.3%	4 041	3 614	3 366	51 971	16.0%	44 817
<b>= Electricity Supplied</b>	<b>54 067</b>	<b>-1.2%</b>	<b>42 346</b>	<b>44 613</b>	<b>47 839</b>	<b>572 349</b>	<b>3.4%</b>	<b>553 311 e</b>

- Electricity production was 57 374 GWh in December 2011.
  - This was lower by 87 GWh, or 0.2%, compared to December 2010.
  - This was an increase of 7 274 GWh, or 14.5%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 20.4%, or 1 282 GWh.
- Total production for the year-to-date was 609 793 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 30 296 GWh, or 5.2%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 156.5% higher.
  - Trade volume increased by 3 050 GWh, or 4.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



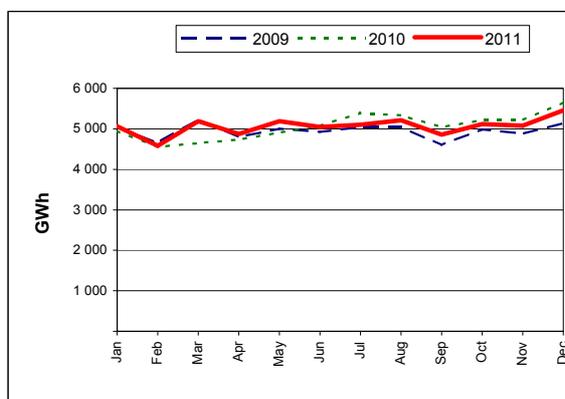
## COUNTRY NOTES:

## CHILE

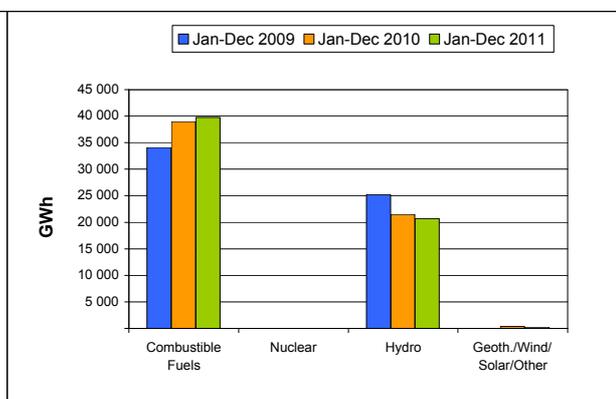
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	3 255	-14.0%	2 840	2 763	2 619	39 788	2.1%	38 963 e
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	2 185	18.3%	1 995	2 326	2 435	20 723	-3.4%	21 462 e
+ Geoth./Wind/Solar/Other	17	-29.2%	24	29	27	250	-24.7%	332 e
<b>= Indigenous Production</b>	<b>5 457</b>	<b>-3.5%</b>	<b>4 860</b>	<b>5 118</b>	<b>5 080</b>	<b>60 761</b>	<b>0.0%</b>	<b>60 755 e</b>
+ Imports	88	183.9%	51	69	133	734	-23.3%	957
- Exports	0	0.0%	0	0	0	0	0.0%	0
<b>= Electricity Supplied</b>	<b>5 545</b>	<b>-2.5%</b>	<b>4 911</b>	<b>5 187</b>	<b>5 213</b>	<b>61 495</b>	<b>-0.4%</b>	<b>61 712 e</b>

- Electricity production was 5 457 GWh in December 2011.
  - This was lower by 199 GWh, or 3.5%, compared to December 2010.
  - This was an increase of 377 GWh, or 7.4%, 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 37%, or 10 GWh.
- Total production for the year-to-date was 60 761 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 6 GWh.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 24.7% lower.
  - Trade volume decreased by 223 GWh, or 23.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



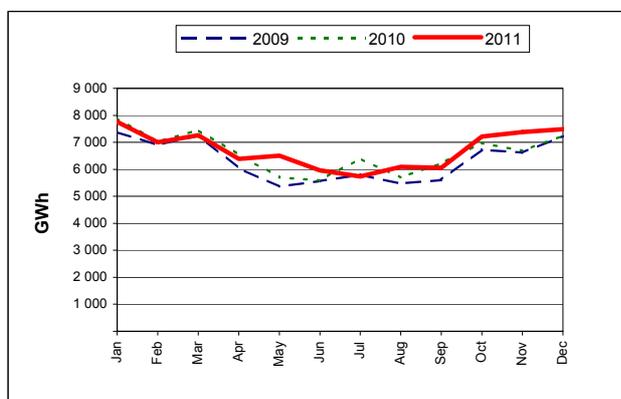
## COUNTRY NOTES:

## CZECH REPUBLIC

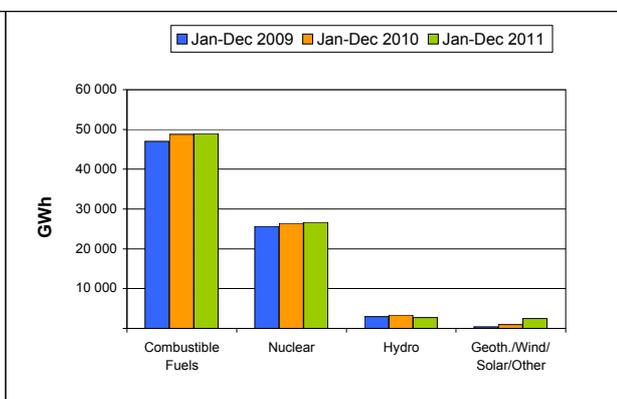
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	4 522	0.6%	3 957	4 571	4 626	48 934	0.3%	48 775
+ Nuclear	2 612	8.2%	1 670	2 237	2 441	26 643	1.0%	26 376
+ Hydro	248	-14.5%	186	218	205	2 759	-18.0%	3 366
+ Geoth./Wind/Solar/Other	100	108.3%	244	192	108	2 508	163.2%	953
<b>= Indigenous Production</b>	<b>7 482</b>	<b>3.3%</b>	<b>6 057</b>	<b>7 218</b>	<b>7 380</b>	<b>80 842</b>	<b>1.7%</b>	<b>79 470</b>
+ Imports	1 584	151.0%	805	941	1 214	10 457	57.5%	6 641
- Exports	3 286	110.0%	2 055	2 735	2 764	27 499	27.4%	21 591
<b>= Electricity Supplied</b>	<b>5 780</b>	<b>-8.4%</b>	<b>4 807</b>	<b>5 424</b>	<b>5 830</b>	<b>63 800</b>	<b>-1.1%</b>	<b>64 520</b>

- Electricity production was 7 482 GWh in December 2011.
  - This was higher by 237 GWh, or 3.3%, compared to December 2010.
  - This was an increase of 102 GWh, or 1.4%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 21%, or 43 GWh.
- Total production for the year-to-date was 80 842 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 1 372 GWh, or 1.7%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 163.2% higher.
  - Trade volume increased by 9 724 GWh, or 34.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

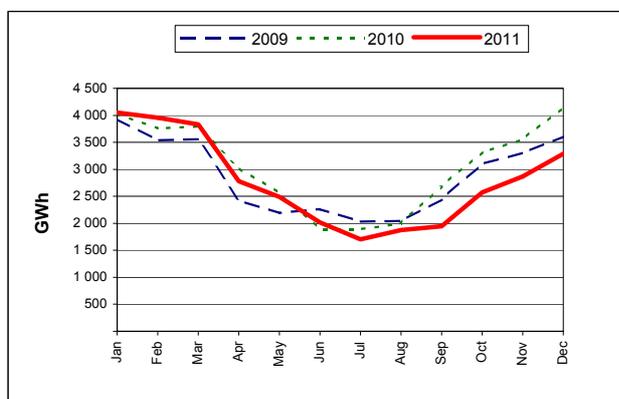
- The considerable increase in Geoth./Wind/Solar/Other over the last months is mainly due to increased solar capacity.

## DENMARK

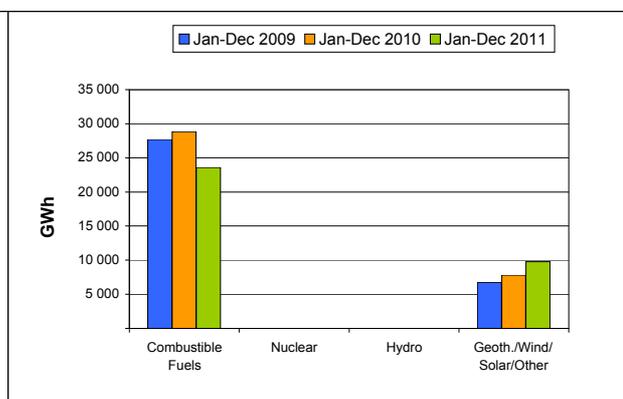
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	1 978	-42.2%	1 209	1 590	2 138	23 591	-18.2%	28 828
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	2	0.0%	2	2	1	19	-5.0%	20
+ Geoth./Wind/Solar/Other	1 309	81.1%	736	978	730	9 776	25.2%	7 810
<b>= Indigenous Production</b>	<b>3 290</b>	<b>-20.6%</b>	<b>1 946</b>	<b>2 570</b>	<b>2 869</b>	<b>33 385</b>	<b>-8.9%</b>	<b>36 662</b>
+ Imports	860	14.7%	1 392	945	931	11 692	10.3%	10 599
- Exports	997	-26.9%	572	604	786	10 374	-11.6%	11 735
<b>= Electricity Supplied</b>	<b>3 153</b>	<b>-10.7%</b>	<b>2 766</b>	<b>2 911</b>	<b>3 014</b>	<b>34 703</b>	<b>-2.3%</b>	<b>35 526</b>

- Electricity production was 3 290 GWh in December 2011.
  - This was lower by 855 GWh, or 20.6%, compared to December 2010.
  - This was an increase of 421 GWh, or 14.7%, compared to the previous month.
  - Geoth./Wind/Solar/Other production showed a significant percentage change compared to the previous month with an increase of 79%, or 579 GWh.
- Total production for the year-to-date was 33 385 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 3 277 GWh, or 8.9%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 25.2% higher.
  - Trade volume decreased by 268 GWh, or 1.2%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Does not include Greenland and the Faroe Islands.

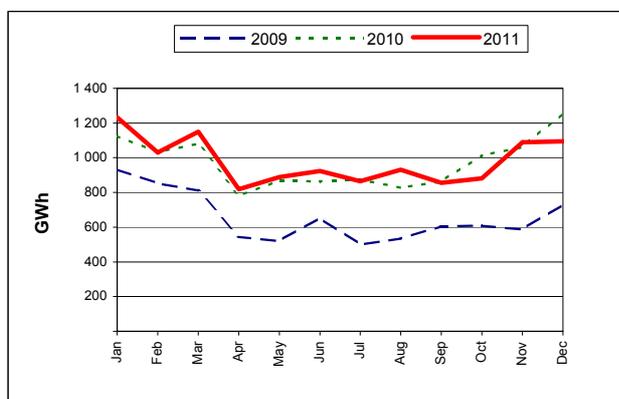
## ESTONIA

GWh

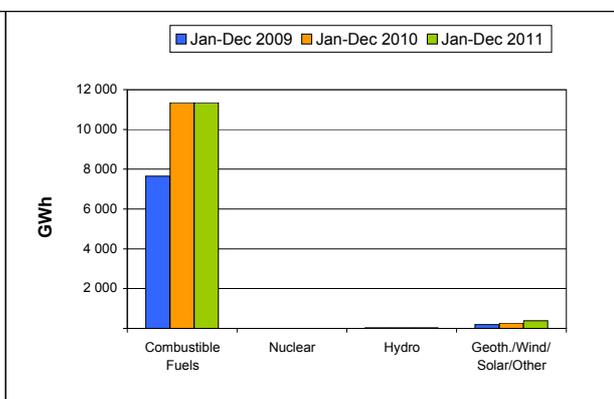
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	1 030	-15.7%	819	837	1 048	11 350	0.0%	11 348
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	4	33.3%	2	3	3	35	29.6%	27
+ Geoth./Wind/Solar/Other	61	96.8%	35	43	39	378	36.0%	278
<b>= Indigenous Production</b>	<b>1 095</b>	<b>-12.9%</b>	<b>855</b>	<b>882</b>	<b>1 090</b>	<b>11 760</b>	<b>0.9%</b>	<b>11 652</b>
+ Imports	139	90.4%	198	237	128	1 690	53.8%	1 099
- Exports	458	2.5%	462	444	499	5 252	20.6%	4 355
<b>= Electricity Supplied</b>	<b>776</b>	<b>-12.1%</b>	<b>591</b>	<b>675</b>	<b>719</b>	<b>8 198</b>	<b>-2.4%</b>	<b>8 396</b>

- Electricity production was 1 095 GWh in December 2011.
  - This was lower by 162 GWh, or 12.9%, compared to December 2010.
  - This was an increase of 5 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 an increase of 56.4%, or 22 GWh.
- Total production for the year-to-date was 11 760 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 108 GWh, or 0.9%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 36% higher.
  - Trade volume increased by 1 488 GWh, or 27.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



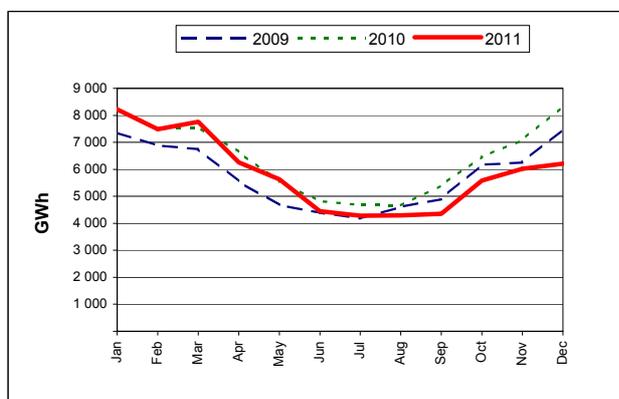
## COUNTRY NOTES:

## FINLAND

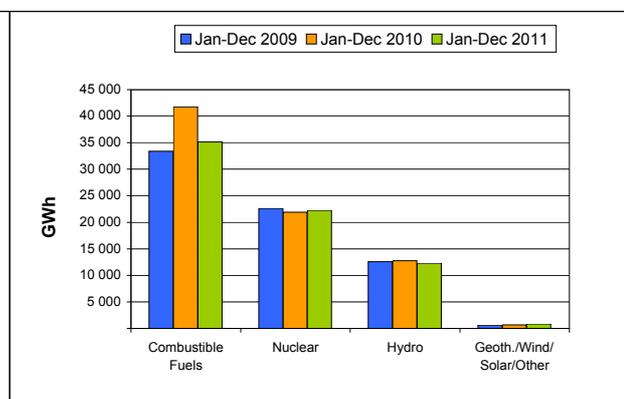
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	2 709	-47.0%	1 771	2 142	2 716	35 147	-15.9%	41 770
+ Nuclear	2 046	0.7%	1 608	2 027	1 980	22 279	1.8%	21 884
+ Hydro	1 359	18.5%	905	1 328	1 239	12 277	-3.6%	12 738
+ Geoth./Wind/Solar/Other	90	60.7%	71	81	80	833	30.0%	641
<b>= Indigenous Production</b>	<b>6 205</b>	<b>-25.6%</b>	<b>4 357</b>	<b>5 578</b>	<b>6 014</b>	<b>70 540</b>	<b>-8.4%</b>	<b>77 035</b>
+ Imports	1 407	4.0%	1 949	1 440	1 338	17 657	12.3%	15 717
- Exports	148	-78.6%	124	176	107	3 804	-27.1%	5 217
<b>= Electricity Supplied</b>	<b>7 464</b>	<b>-17.1%</b>	<b>6 182</b>	<b>6 842</b>	<b>7 245</b>	<b>84 393</b>	<b>-3.6%</b>	<b>87 535</b>

- Electricity production was 6 205 GWh in December 2011.
  - This was lower by 2 138 GWh, or 25.6%, compared to December 2010.
  - This was an increase of 191 GWh, or 3.2%, 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 12.5%, or 10 GWh.
- Total production for the year-to-date was 70 540 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 6 495 GWh, or 8.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 30% higher.
  - Trade volume increased by 527 GWh, or 2.5%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

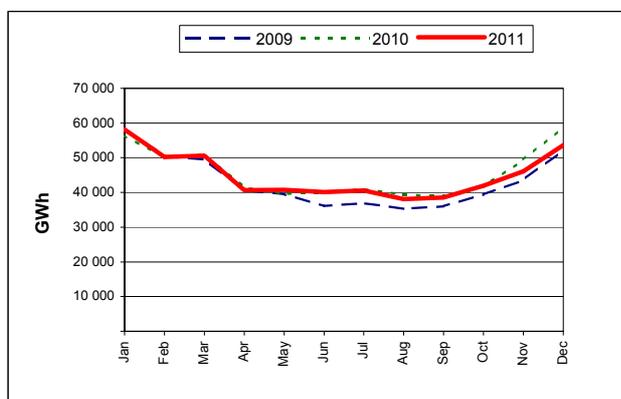
## FRANCE

GWh

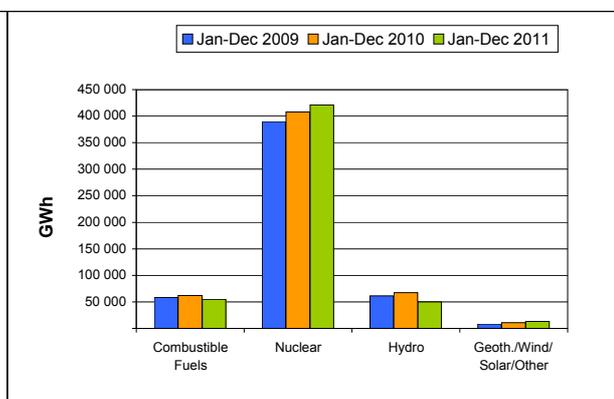
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	6 032	-31.6%	2 980	4 724	7 436	54 975	-11.0%	61 738
+ Nuclear	39 828	-4.9%	31 484	32 831	33 712	421 165	3.2%	407 966
+ Hydro	5 649	-18.9%	3 183	3 226	3 894	50 223	-25.4%	67 336
+ Geoth./Wind/Solar/Other	2 084	95.3%	926	1 148	1 028	12 996	20.5%	10 782
<b>= Indigenous Production</b>	<b>53 592</b>	<b>-8.8%</b>	<b>38 572</b>	<b>41 930</b>	<b>46 071</b>	<b>539 359</b>	<b>-1.5%</b>	<b>547 821</b>
+ Imports	1 801	-56.8%	932	1 606	2 411	16 230	-56.3%	37 101
- Exports	7 672	91.5%	6 319	6 204	6 809	87 267	31.0%	66 600
<b>= Electricity Supplied</b>	<b>47 721</b>	<b>-19.0%</b>	<b>33 185</b>	<b>37 332</b>	<b>41 673</b>	<b>468 322</b>	<b>-9.6%</b>	<b>518 322</b>

- Electricity production was 53 592 GWh in December 2011.
  - This was lower by 5 158 GWh, or 8.8%, compared to December 2010.
  - This was an increase of 7 521 GWh, or 16.3%, 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 102.7%, or 1 056 GWh.
- Total production for the year-to-date was 539 359 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 8 462 GWh, or 1.5%.
  - Hydro production showed the largest percentage change by energy source, being 25.4% lower.
  - Trade volume decreased by 204 GWh, or 0.2%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

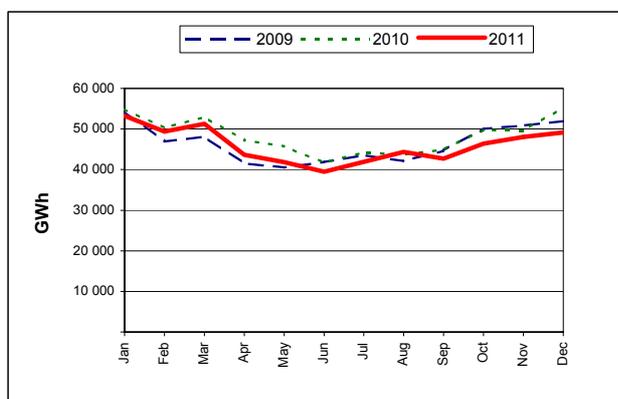
- Includes Monaco but excludes the French overseas territories Guadeloupe, Martinique, Guyane, Reunion, St.-Pierre and Miquelon, New Caledonia and French Polynesia.

## GERMANY

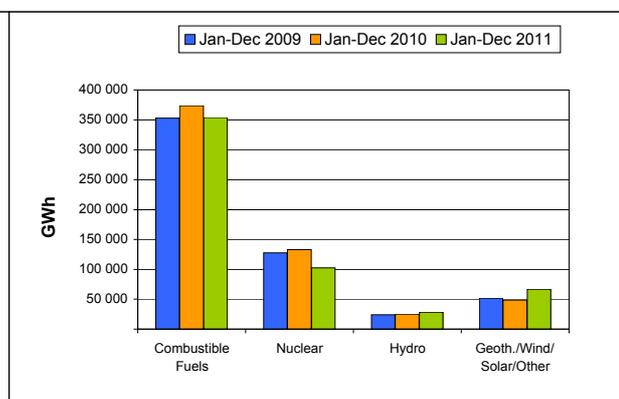
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	29 645	-17.2%	27 739	30 989	34 268	354 178	-5.3%	374 080 e
+ Nuclear	8 491	-34.9%	7 660	7 319	8 013	102 490	-23.0%	133 149
+ Hydro	2 427	9.0%	2 354	2 480	2 061	28 132	12.1%	25 093
+ Geoth./Wind/Solar/Other	8 553	102.9%	4 964	5 610	3 709	66 548	37.1%	48 527 e
<b>= Indigenous Production</b>	<b>49 117</b>	<b>-11.2%</b>	<b>42 716</b>	<b>46 398</b>	<b>48 052</b>	<b>551 348</b>	<b>-5.1%</b>	<b>580 849 e</b>
+ Imports	4 173	40.7%	3 991	3 896	4 434	51 004	18.7%	42 960
- Exports	6 551	10.5%	3 163	4 634	5 278	54 768	-5.4%	57 918
<b>= Electricity Supplied</b>	<b>46 739</b>	<b>-10.7%</b>	<b>43 544</b>	<b>45 660</b>	<b>47 208</b>	<b>547 584</b>	<b>-3.2%</b>	<b>565 891 e</b>

- Electricity production was 49 117 GWh in December 2011.
  - This was lower by 6 182 GWh, or 11.2%, compared to December 2010.
  - This was an increase of 1 065 GWh, or 2.2%, 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 130.6%, or 4 844 GWh.
- Total production for the year-to-date was 551 348 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 29 501 GWh, or 5.1%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 37.1% higher.
  - Trade volume increased by 4 894 GWh, or 4.9%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

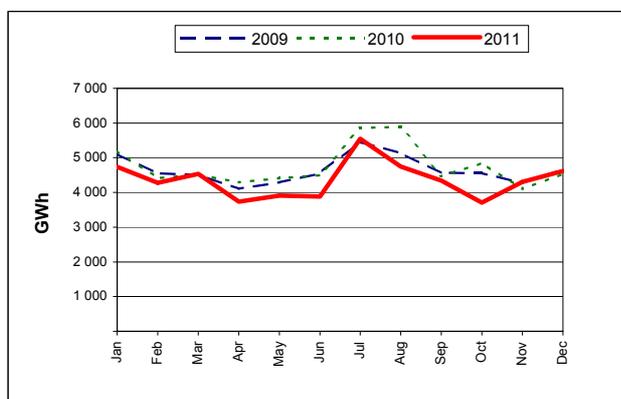
- Combustible Fuels production is estimated from monthly submissions of production from main electricity suppliers.

## GREECE

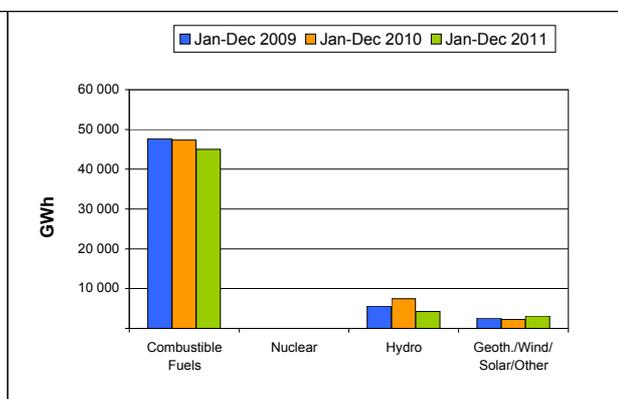
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	4 000	22.6%	3 735	3 087	3 782	45 001	-5.0%	47 345
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	282	-72.2%	317	234	235	4 249	-42.9%	7 441
+ Geoth./Wind/Solar/Other	332	27.7%	287	391	291	3 100	36.9%	2 264
<b>= Indigenous Production</b>	<b>4 614</b>	<b>1.7%</b>	<b>4 339</b>	<b>3 711</b>	<b>4 308</b>	<b>52 350</b>	<b>-8.2%</b>	<b>57 048</b>
+ Imports	624	7.4%	462	476	601	7 180	-15.7%	8 516
- Exports	355	-0.8%	267	286	396	3 947	53.4%	2 573
<b>= Electricity Supplied</b>	<b>4 883</b>	<b>2.6%</b>	<b>4 534</b>	<b>3 901</b>	<b>4 513</b>	<b>55 583</b>	<b>-11.8%</b>	<b>62 991</b>

- Electricity production was 4 614 GWh in December 2011.
  - This was higher by 78 GWh, or 1.7%, compared to December 2010.
  - This was an increase of 306 GWh, or 7.1%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 20%, or 47 GWh.
- Total production for the year-to-date was 52 350 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 4 698 GWh, or 8.2%.
  - Hydro production showed the largest percentage change by energy source, being 42.9% lower.
  - Trade volume increased by 38 GWh, or 0.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

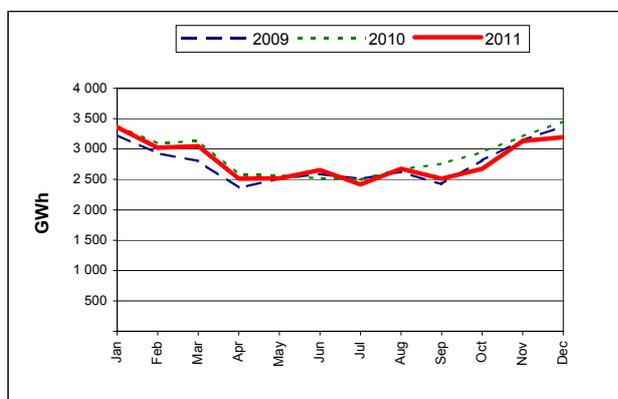
## HUNGARY

GWh

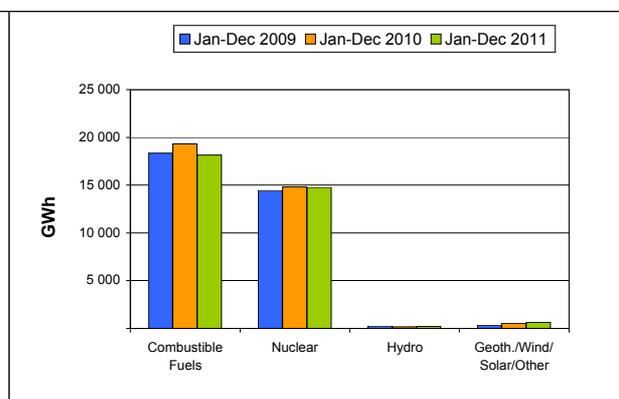
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	1 644	-15.4%	1 320	1 360	1 675	17 928	-7.2%	19 316
+ Nuclear	1 433	-0.3%	1 102	1 211	1 382	14 758	-0.4%	14 820
+ Hydro	18	200.0%	15	14	11	211	15.3%	183
+ Geoth./Wind/Solar/Other	64	-11.1%	42	53	29	621	17.8%	527
<b>= Indigenous Production</b>	<b>3 159</b>	<b>-8.7%</b>	<b>2 479</b>	<b>2 638</b>	<b>3 098</b>	<b>33 516</b>	<b>-3.8%</b>	<b>34 845</b>
+ Imports	1 618	167.9%	1 384	1 451	1 456	14 666	48.2%	9 897
- Exports	1 353	201.3%	640	708	1 119	8 022	70.6%	4 702
<b>= Electricity Supplied</b>	<b>3 424</b>	<b>-5.3%</b>	<b>3 223</b>	<b>3 381</b>	<b>3 435</b>	<b>40 160</b>	<b>0.3%</b>	<b>40 040</b>

- Electricity production was 3 159 GWh in December 2011.
  - This was lower by 300 GWh, or 8.7%, compared to December 2010.
  - This was an increase of 61 GWh, or 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 120.7%, or 35 GWh.
- Total production for the year-to-date was 33 516 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 329 GWh, or 3.8%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 17.8% higher.
  - Trade volume increased by 8 089 GWh, or 55.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

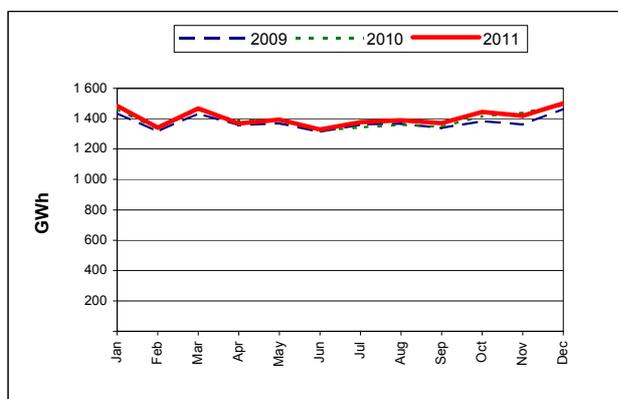
- Net production is estimated from monthly submission of gross production.

## ICELAND

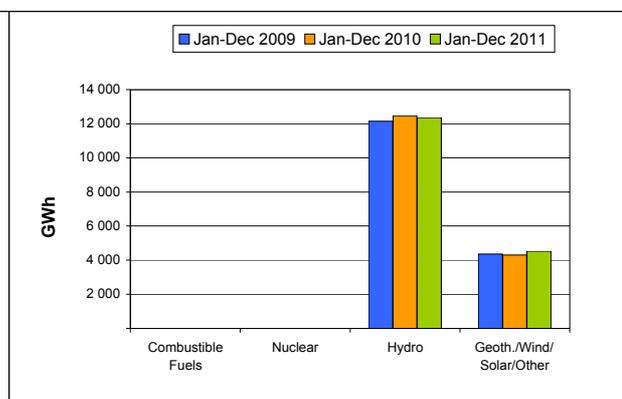
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	0	0.0%	0	0	0	0	0.0%	0
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	1 054	-4.4%	1 018	1 036	1 007	12 360	-0.8%	12 456
+ Geoth./Wind/Solar/Other	447	15.2%	352	408	412	4 528	5.3%	4 300
<b>= Indigenous Production</b>	<b>1 501</b>	<b>0.7%</b>	<b>1 370</b>	<b>1 445</b>	<b>1 419</b>	<b>16 888</b>	<b>0.8%</b>	<b>16 757</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>1 501</b>	<b>0.7%</b>	<b>1 370</b>	<b>1 445</b>	<b>1 419</b>	<b>16 888</b>	<b>0.8%</b>	<b>16 757</b>

- Electricity production was 1 501 GWh in December 2011.
  - This was higher by 10 GWh, or 0.7%, compared to December 2010.
  - This was an increase of 82 GWh, or 5.8%, 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 8.5%, or 35 GWh.
- Total production for the year-to-date was 16 888 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 131 GWh, or 0.8%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 5.3% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

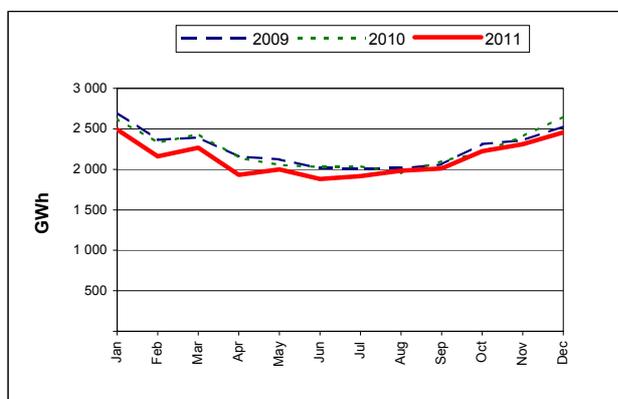
- Net production is estimated from monthly submission of gross production.

## IRELAND

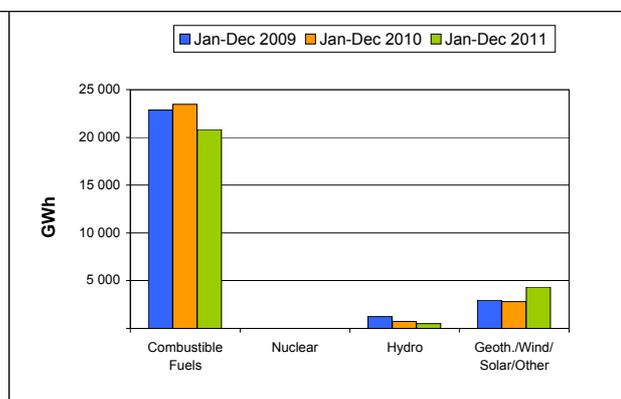
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	1 754	-26.3%	1 502	1 726	1 695	20 814	-11.3%	23 457
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	83	124.3%	27	51	72	489	-32.7%	727
+ Geoth./Wind/Solar/Other	620	166.1%	480	448	543	4 318	53.8%	2 807
<b>= Indigenous Production</b>	<b>2 457</b>	<b>-7.2%</b>	<b>2 010</b>	<b>2 225</b>	<b>2 310</b>	<b>25 625</b>	<b>-5.1%</b>	<b>26 989</b>
+ Imports	3	-96.7%	23	9	6	732	-3.8%	761
- Exports	57	533.3%	19	37	49	241	-16.6%	289
<b>= Electricity Supplied</b>	<b>2 403</b>	<b>-12.0%</b>	<b>2 014</b>	<b>2 197</b>	<b>2 267</b>	<b>26 116</b>	<b>-4.9%</b>	<b>27 461</b>

- Electricity production was 2 457 GWh in December 2011.
  - This was lower by 192 GWh, or 7.2%, compared to December 2010.
  - This was an increase of 147 GWh, or 6.4%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 15.3%, or 11 GWh.
- Total production for the year-to-date was 25 625 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 364 GWh, or 5.1%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 53.8% higher.
  - Trade volume decreased by 77 GWh, or 7.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

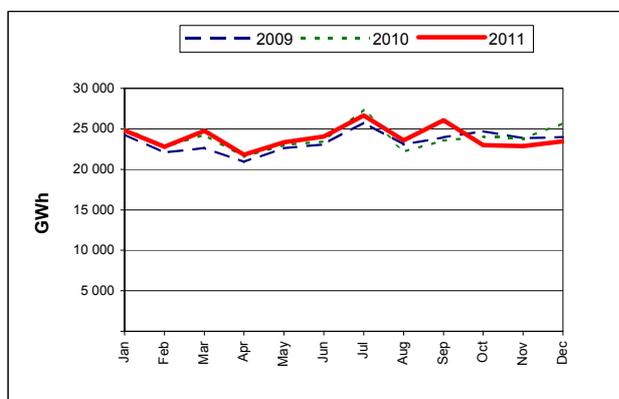
## ITALY

GWh

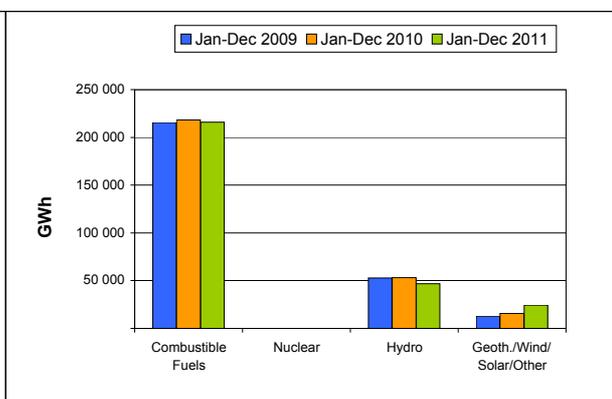
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	17 764	-10.4%	19 697	17 308	17 285	215 773	-1.1%	218 127
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	3 033	-29.2%	3 899	3 151	3 676	46 819	-11.9%	53 117
+ Geoth./Wind/Solar/Other	2 667	66.0%	2 466	2 522	1 920	24 554	55.7%	15 768
<b>= Indigenous Production</b>	<b>23 464</b>	<b>-8.8%</b>	<b>26 062</b>	<b>22 981</b>	<b>22 881</b>	<b>287 146</b>	<b>0.0%</b>	<b>287 013</b>
+ Imports	4 393	44.7%	3 094	4 816	4 663	47 349	3.5%	45 761
- Exports	223	-20.6%	125	75	169	1 723	-5.2%	1 817
<b>= Electricity Supplied</b>	<b>27 634</b>	<b>-2.9%</b>	<b>29 031</b>	<b>27 722</b>	<b>27 375</b>	<b>332 772</b>	<b>0.5%</b>	<b>330 957</b>

- Electricity production was 23 464 GWh in December 2011.
  - This was lower by 2 251 GWh, or 8.8%, compared to December 2010.
  - This was an increase of 583 GWh, or 2.5%, 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 38.9%, or 747 GWh.
- Total production for the year-to-date was 287 146 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 133 GWh.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 55.7% higher.
  - Trade volume increased by 1 494 GWh, or 3.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

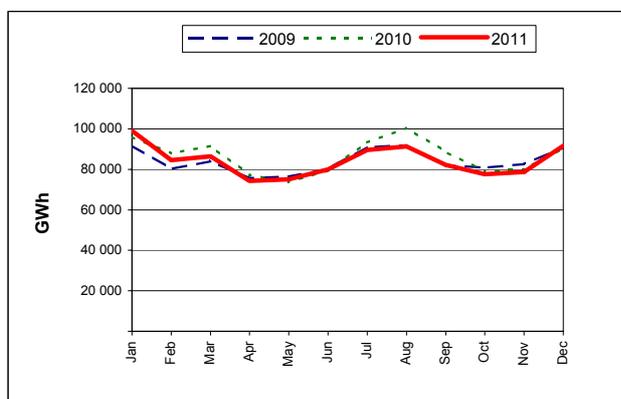
- Includes San Marino and the Vatican.

## JAPAN

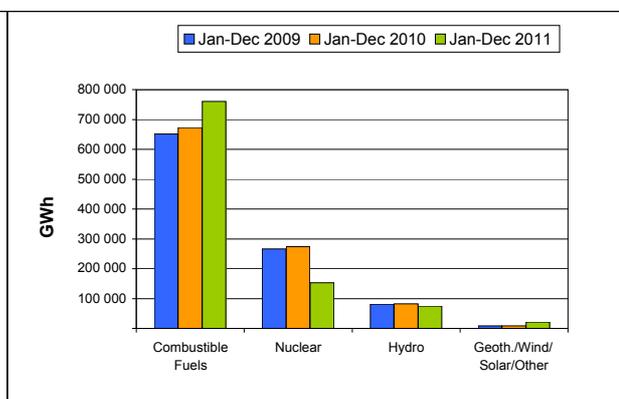
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	79 277	34.0%	66 358	64 347	65 945	760 395	13.0%	672 800
+ Nuclear	5 207	-77.5%	6 813	6 310	6 655	152 874	-44.3%	274 313
+ Hydro	4 770	-8.7%	7 981	5 431	4 508	75 232	-8.4%	82 106
+ Geoth./Wind/Solar/Other	2 439	-17.6%	1 052	1 417	1 546	21 658	141.3%	8 975 e
<b>= Indigenous Production</b>	<b>91 693</b>	<b>1.3%</b>	<b>82 205</b>	<b>77 505</b>	<b>78 653</b>	<b>1 010 159</b>	<b>-2.7%</b>	<b>1 038 192 e</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>91 693</b>	<b>1.3%</b>	<b>82 205</b>	<b>77 505</b>	<b>78 653</b>	<b>1 010 159</b>	<b>-2.7%</b>	<b>1 038 192 e</b>

- Electricity production was 91 693 GWh in December 2011.
  - This was higher by 1 179 GWh, or 1.3%, compared to December 2010.
  - This was an increase of 13 040 GWh, or 16.6%, 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 57.8%, or 893 GWh.
- Total production for the year-to-date was 1 010 159 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 28 033 GWh, or 2.7%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 141.3% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

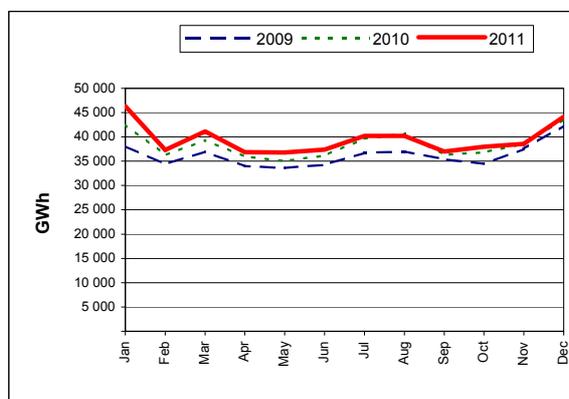
- Net production is estimated based on monthly submission for main producers.
- The breakdown of supplementary production sources is calculated by the IEA Secretariat.

## KOREA

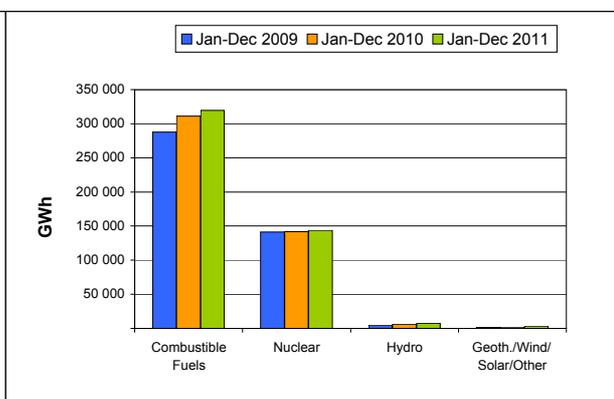
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	31 886	4.2%	25 288	25 849	26 752	319 803	2.8%	311 220
+ Nuclear	11 589	-6.6%	10 810	11 488	11 238	143 468	1.1%	141 971
+ Hydro	397	-10.6%	622	391	304	7 468	23.2%	6 061
+ Geoth./Wind/Solar/Other	272	59.1%	272	272	272	3 264	59.1%	2 052
<b>= Indigenous Production</b>	<b>44 145</b>	<b>1.2%</b>	<b>36 992</b>	<b>38 000</b>	<b>38 566</b>	<b>474 011</b>	<b>2.8%</b>	<b>461 310</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>44 145</b>	<b>1.2%</b>	<b>36 992</b>	<b>38 000</b>	<b>38 566</b>	<b>474 011</b>	<b>2.8%</b>	<b>461 310</b>

- Electricity production was 44 145 GWh in December 2011.
  - This was higher by 514 GWh, or 1.2%, compared to December 2010.
  - This was an increase of 5 579 GWh, or 14.5%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 30.6%, or 93 GWh.
- Total production for the year-to-date was 474 011 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 12 701 GWh, or 2.8%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 59.1% higher.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

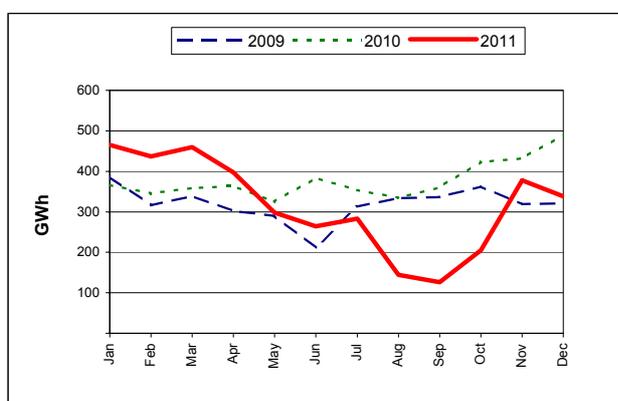
- The share of electricity production from autoproducers is estimated by the IEA Secretariat.
- Net production is estimated from monthly submission of gross production.
- Geoth./Wind/Solar/Other production is estimated by the IEA Secretariat.

## LUXEMBOURG

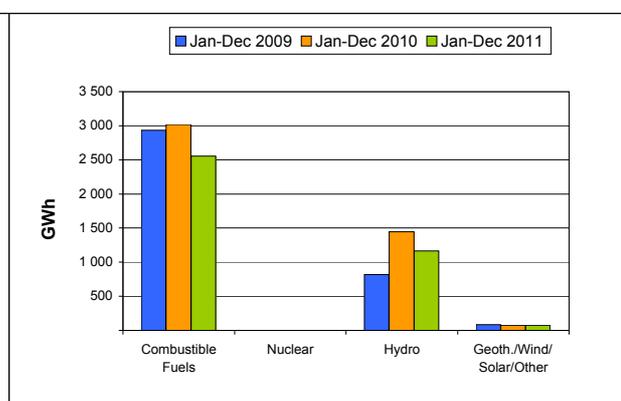
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	220	-31.5%	37	91	289	2 555	-15.3%	3 018
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	114	-30.9%	82	106	84	1 167	-19.2%	1 445
+ Geoth./Wind/Solar/Other	3	-40.0%	7	8	5	73	-5.2%	77
<b>= Indigenous Production</b>	<b>338</b>	<b>-31.0%</b>	<b>126</b>	<b>205</b>	<b>378</b>	<b>3 795</b>	<b>-16.4%</b>	<b>4 539</b>
+ Imports	548	-14.1%	629	620	560	7 095	-2.5%	7 280
- Exports	272	-20.7%	81	138	267	2 614	-18.7%	3 216
<b>= Electricity Supplied</b>	<b>614</b>	<b>-21.8%</b>	<b>674</b>	<b>687</b>	<b>671</b>	<b>8 276</b>	<b>-3.8%</b>	<b>8 603</b>

- Electricity production was 338 GWh in December 2011.
  - This was lower by 152 GWh, or 31%, compared to December 2010.
  - This was a decrease of 40 GWh, or 10.6%, 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 40%, or 2 GWh.
- Total production for the year-to-date was 3 795 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 744 GWh, or 16.4%.
  - Hydro production showed the largest percentage change by energy source, being 19.2% lower.
  - Trade volume decreased by 787 GWh, or 7.5%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

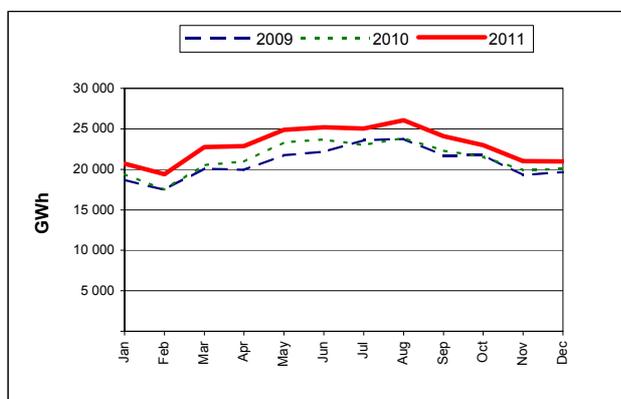
- The production data for December 2011 are estimated by the IEA Secretariat.

## MEXICO

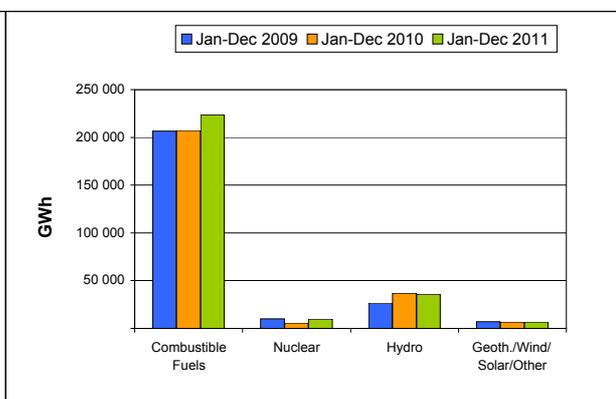
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	16 884	-1.9%	18 250	18 106	16 949	223 745	8.0%	207 245
+ Nuclear	1 013	369.0%	961	848	652	9 663	72.7%	5 596
+ Hydro	2 536	22.9%	4 340	3 472	2 883	35 840	-2.6%	36 808
+ Geoth./Wind/Solar/Other	544	-6.2%	545	553	533	6 669	0.0%	6 672
<b>= Indigenous Production</b>	<b>20 977</b>	<b>4.5%</b>	<b>24 096</b>	<b>22 979</b>	<b>21 018</b>	<b>275 917</b>	<b>7.6%</b>	<b>256 319</b>
+ Imports	20	33.3%	103	54	20	597	50.4%	397
- Exports	121	-23.4%	77	89	147	1 281	-5.0%	1 348
<b>= Electricity Supplied</b>	<b>20 876</b>	<b>4.8%</b>	<b>24 122</b>	<b>22 944</b>	<b>20 891</b>	<b>275 233</b>	<b>7.8%</b>	<b>255 368</b>

- Electricity production was 20 977 GWh in December 2011.
  - This was higher by 908 GWh, or 4.5%, compared to December 2010.
  - This was a decrease of 41 GWh, or 0.2%, compared to the previous month.
  - Nuclear production showed the most significant percentage change compared to the previous month with an increase of 55.4%, or 361 GWh.
- Total production for the year-to-date was 275 917 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 19 598 GWh, or 7.6%.
  - Nuclear production showed the largest percentage change by energy source, being 72.7% higher.
  - Trade volume increased by 133 GWh, or 7.6%.

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.

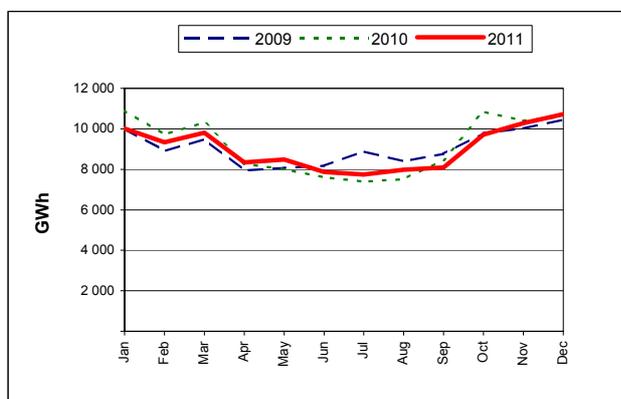
## NETHERLANDS

GWh

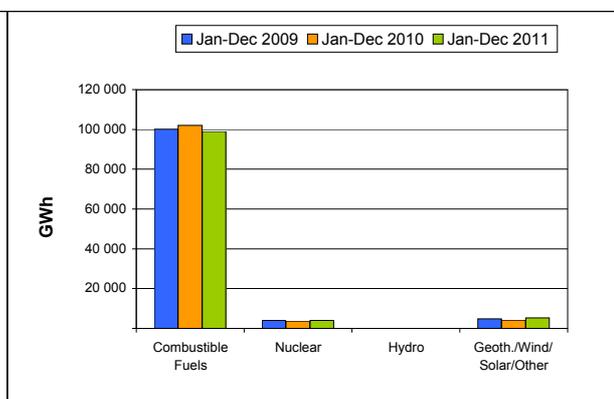
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	9 493	-3.7%	7 325	8 838	9 552	99 002	-3.0%	102 069
+ Nuclear	373	7.5%	353	369	359	4 039	7.7%	3 751
+ Hydro	7	-46.2%	2	2	1	57	-45.7%	105
+ Geoth./Wind/Solar/Other	857	115.3%	416	503	371	5 308	26.8%	4 185
<b>= Indigenous Production</b>	<b>10 730</b>	<b>1.1%</b>	<b>8 097</b>	<b>9 713</b>	<b>10 282</b>	<b>108 407</b>	<b>-1.5%</b>	<b>110 109</b>
+ Imports	1 697	-1.2%	1 926	1 599	1 488	20 621	32.3%	15 584
- Exports	1 378	-10.6%	880	1 193	1 188	11 530	-10.0%	12 809
<b>= Electricity Supplied</b>	<b>11 049</b>	<b>2.4%</b>	<b>9 143</b>	<b>10 119</b>	<b>10 582</b>	<b>117 498</b>	<b>4.1%</b>	<b>112 884</b>

- Electricity production was 10 730 GWh in December 2011.
  - This was higher by 112 GWh, or 1.1%, compared to December 2010.
  - This was an increase of 448 GWh, or 4.4%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 600%, or 6 GWh.
- Total production for the year-to-date was 108 407 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 702 GWh, or 1.5%.
  - Hydro production showed the largest percentage change by energy source, being 45.7% lower.
  - Trade volume increased by 3 758 GWh, or 13.2%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

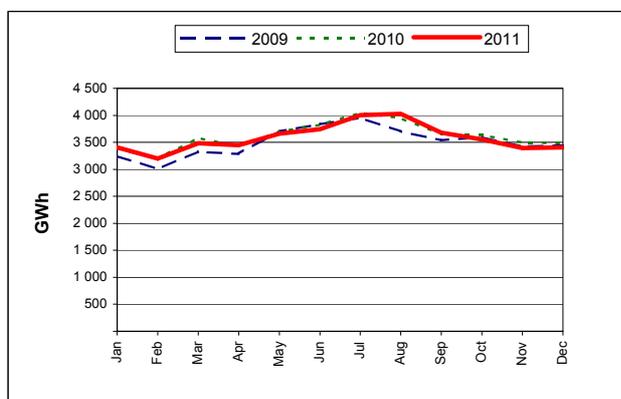
- Excludes Suriname and the Netherlands Antilles.

## NEW ZEALAND

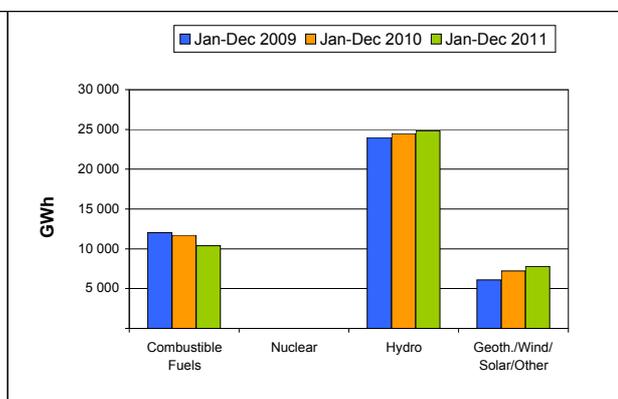
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	762	-17.9%	1 224	982	768	10 393	-11.3%	11 712
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	2 032	7.0%	1 811	1 915	1 983	24 833	1.5%	24 471
+ Geoth./Wind/Solar/Other	614	-6.8%	646	654	644	7 775	7.7%	7 220
<b>= Indigenous Production</b>	<b>3 409</b>	<b>-2.2%</b>	<b>3 681</b>	<b>3 551</b>	<b>3 395</b>	<b>43 002</b>	<b>-0.9%</b>	<b>43 402</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>3 409</b>	<b>-2.2%</b>	<b>3 681</b>	<b>3 551</b>	<b>3 395</b>	<b>43 002</b>	<b>-0.9%</b>	<b>43 402</b>

- Electricity production was 3 409 GWh in December 2011.
  - This was lower by 76 GWh, or 2.2%, compared to December 2010.
  - This was an increase of 14 GWh, or 0.4%, 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 4.7%, or 30 GWh.
- Total production for the year-to-date was 43 002 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 400 GWh, or 0.9%.
  - Combustible Fuels production showed the largest percentage change by energy source, being 11.3% lower.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



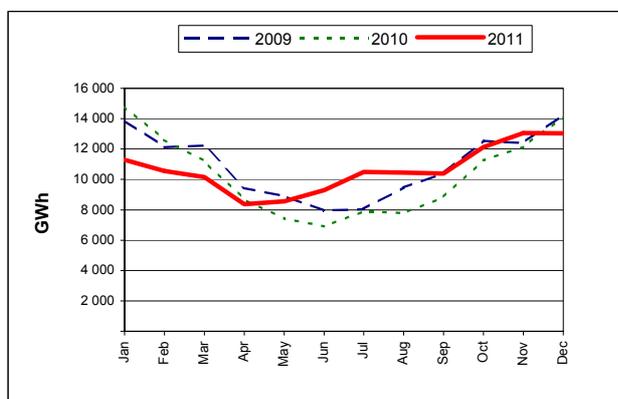
## COUNTRY NOTES:

## NORWAY

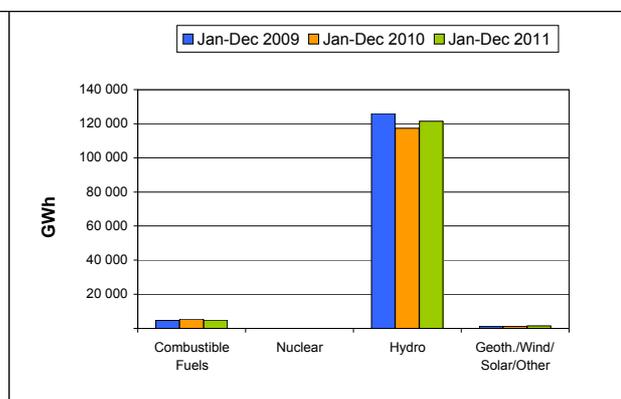
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	318	-48.9%	271	285	321	4 957	-8.3%	5 407
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	12 555	-6.1%	9 991	11 672	12 597	121 383	3.5%	117 283
+ Geoth./Wind/Solar/Other	157	38.9%	122	167	141	1 413	34.7%	1 049
<b>= Indigenous Production</b>	<b>13 030</b>	<b>-7.6%</b>	<b>10 384</b>	<b>12 125</b>	<b>13 059</b>	<b>127 755</b>	<b>3.2%</b>	<b>123 740</b>
+ Imports	870	-35.1%	361	225	162	11 241	-23.4%	14 671
- Exports	1 312	143.4%	1 819	1 928	2 170	14 214	99.5%	7 125
<b>= Electricity Supplied</b>	<b>12 588</b>	<b>-15.5%</b>	<b>8 926</b>	<b>10 422</b>	<b>11 051</b>	<b>124 782</b>	<b>-5.0%</b>	<b>131 286</b>

- Electricity production was 13 030 GWh in December 2011.
  - This was lower by 1 072 GWh, or 7.6%, compared to December 2010.
  - This was a decrease of 29 GWh, or 0.2%, 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 11.3%, or 16 GWh.
- Total production for the year-to-date was 127 755 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 4 015 GWh, or 3.2%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 34.7% higher.
  - Trade volume increased by 3 659 GWh, or 16.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

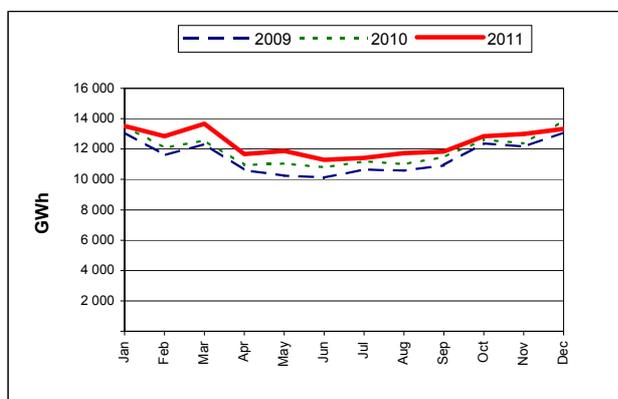
- Net production is estimated from monthly submission of gross production.

## POLAND

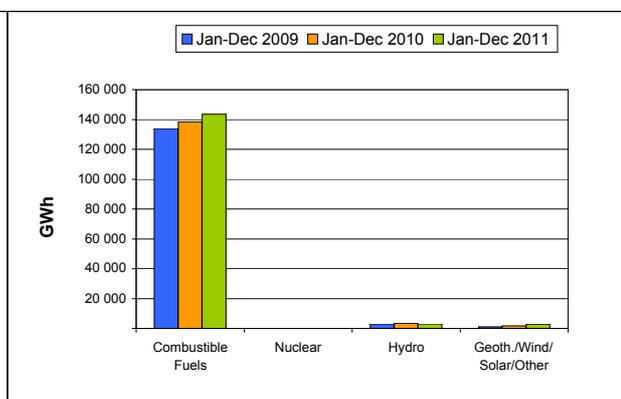
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	12 697	-4.8%	11 464	12 422	12 650	143 433	3.6%	138 488
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	172	-41.7%	167	162	141	2 907	-15.7%	3 447
+ Geoth./Wind/Solar/Other	463	114.4%	204	255	202	2 675	61.7%	1 654
<b>= Indigenous Production</b>	<b>13 332</b>	<b>-3.7%</b>	<b>11 836</b>	<b>12 839</b>	<b>12 993</b>	<b>149 018</b>	<b>3.8%</b>	<b>143 592</b>
+ Imports	1 119	210.0%	486	709	910	6 781	7.5%	6 310
- Exports	1 540	166.0%	924	1 174	1 418	12 021	56.9%	7 664
<b>= Electricity Supplied</b>	<b>12 911</b>	<b>-5.3%</b>	<b>11 398</b>	<b>12 374</b>	<b>12 485</b>	<b>143 778</b>	<b>1.1%</b>	<b>142 238</b>

- Electricity production was 13 332 GWh in December 2011.
  - This was lower by 513 GWh, or 3.7%, compared to December 2010.
  - This was an increase of 339 GWh, or 2.6%, 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 129.2%, or 261 GWh.
- Total production for the year-to-date was 149 018 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 5 426 GWh, or 3.8%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 61.7% higher.
  - Trade volume increased by 4 828 GWh, or 34.5%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



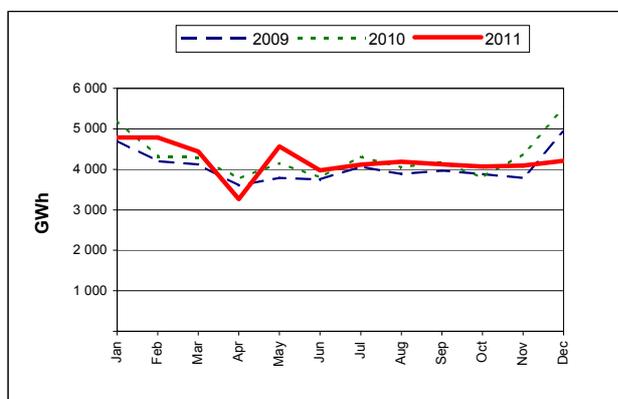
## COUNTRY NOTES:

## PORTUGAL

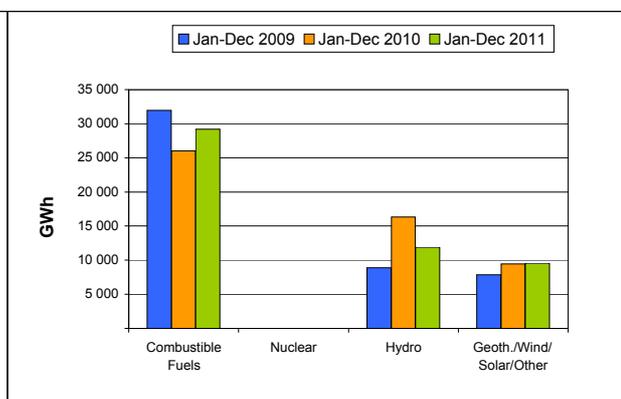
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	2 491	-5.0%	3 059	2 592	2 154	29 215	12.3%	26 005
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	797	-53.0%	562	645	929	11 876	-27.3%	16 339
+ Geoth./Wind/Solar/Other	921	-21.5%	505	832	1 008	9 527	0.9%	9 438
<b>= Indigenous Production</b>	<b>4 209</b>	<b>-23.4%</b>	<b>4 126</b>	<b>4 069</b>	<b>4 091</b>	<b>50 618</b>	<b>-2.2%</b>	<b>51 781</b>
+ Imports	721	208.1%	678	597	526	6 744	16.0%	5 812
- Exports	291	-51.3%	230	255	338	3 929	23.1%	3 192
<b>= Electricity Supplied</b>	<b>4 639</b>	<b>-9.6%</b>	<b>4 574</b>	<b>4 411</b>	<b>4 279</b>	<b>53 433</b>	<b>-1.8%</b>	<b>54 401</b>

- Electricity production was 4 209 GWh in December 2011.
  - This was lower by 1 283 GWh, or 23.4%, compared to December 2010.
  - This was an increase of 118 GWh, or 2.9%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 15.6%, or 337 GWh.
- Total production for the year-to-date was 50 618 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 1 163 GWh, or 2.2%.
  - Hydro production showed the largest percentage change by energy source, being 27.3% lower.
  - Trade volume increased by 1 669 GWh, or 18.5%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Includes the Açores and Madeira.

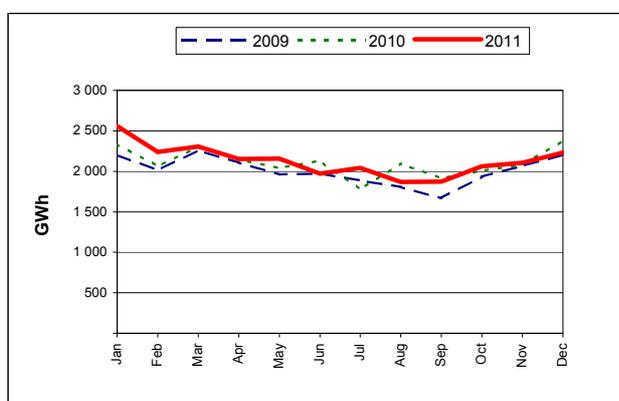
## SLOVAK REPUBLIC

GWh

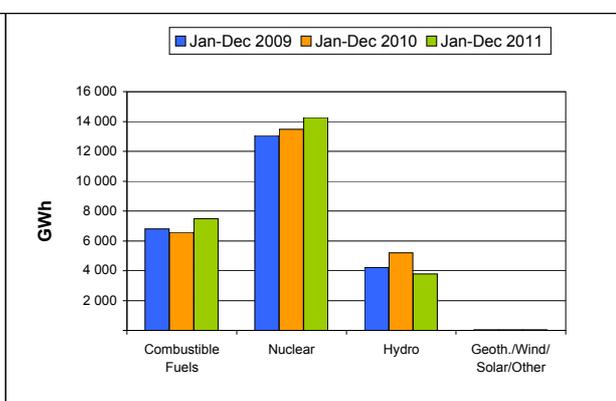
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	685	-1.0%	442	625	694	7 476	13.7%	6 577
+ Nuclear	1 308	6.3%	1 219	1 138	1 220	14 274	6.0%	13 471
+ Hydro	236	-47.6%	209	294	188	3 777	-27.3%	5 193
+ Geoth./Wind/Solar/Other	3	0.0%	3	3	3	36	0.0%	36
<b>= Indigenous Production</b>	<b>2 231</b>	<b>-6.1%</b>	<b>1 873</b>	<b>2 060</b>	<b>2 106</b>	<b>25 565</b>	<b>1.1%</b>	<b>25 278</b>
+ Imports	1 757	419.8%	1 083	1 431	1 600	11 963	63.1%	7 334
- Exports	1 428	428.9%	922	1 127	1 210	10 498	66.8%	6 292
<b>= Electricity Supplied</b>	<b>2 560</b>	<b>4.7%</b>	<b>2 034</b>	<b>2 364</b>	<b>2 496</b>	<b>27 030</b>	<b>2.7%</b>	<b>26 320</b>

- Electricity production was 2 231 GWh in December 2011.
  - This was lower by 145 GWh, or 6.1%, compared to December 2010.
  - This was an increase of 125 GWh, or 5.9%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 25.5%, or 48 GWh.
- Total production for the year-to-date was 25 565 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 287 GWh, or 1.1%.
  - Hydro production showed the largest percentage change by energy source, being 27.3% lower.
  - Trade volume increased by 8 835 GWh, or 64.8%.

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.

## SLOVENIA

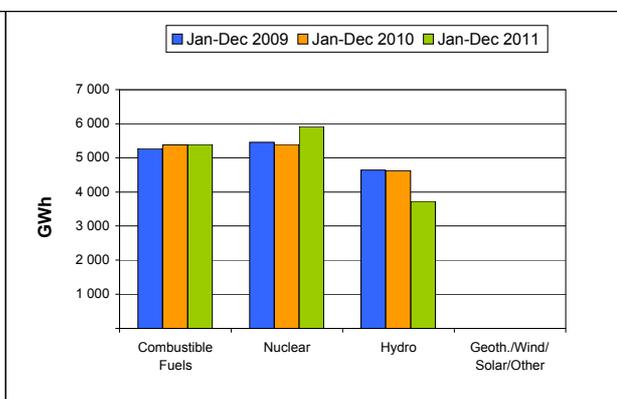
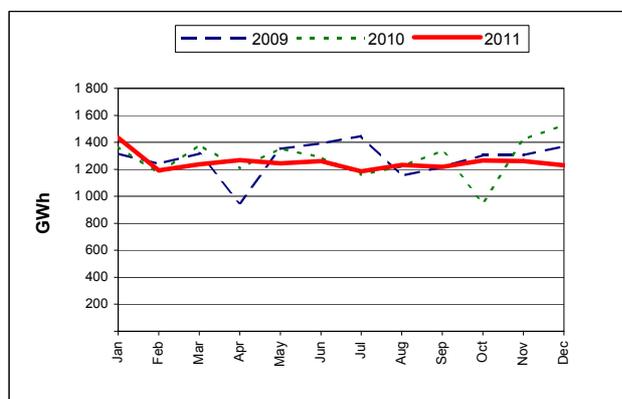
GWh

	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	481	-3.8%	482	425	505	5 392	0.2%	5 383
+ Nuclear	518	-0.2%	482	513	500	5 913	9.7%	5 388
+ Hydro	232	-54.7%	254	329	255	3 723	-19.5%	4 625
+ Geoth./Wind/Solar/Other	0	0.0%	0	0	0	0	0.0%	0
<b>= Indigenous Production</b>	<b>1 230</b>	<b>-19.6%</b>	<b>1 219</b>	<b>1 266</b>	<b>1 260</b>	<b>15 026</b>	<b>-2.4%</b>	<b>15 395</b>
+ Imports	879	22.9%	680	913	887	10 461	30.5%	8 015
- Exports	941	-6.1%	797	1 035	973	11 739	15.9%	10 132
<b>= Electricity Supplied</b>	<b>1 168</b>	<b>-6.0%</b>	<b>1 102</b>	<b>1 144</b>	<b>1 174</b>	<b>13 748</b>	<b>3.5%</b>	<b>13 278</b>

- Electricity production was 1 230 GWh in December 2011.
  - This was lower by 300 GWh, or 19.6%, compared to December 2010.
  - This was a decrease of 30 GWh, or 2.4%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with a decrease of 9%, or 23 GWh.
- Total production for the year-to-date was 15 026 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 369 GWh, or 2.4%.
  - Hydro production showed the largest percentage change by energy source, being 19.5% lower.
  - Trade volume increased by 4 053 GWh, or 22.3%.

Electricity Production Compared to Previous Year

'Year to Date' Comparison of Production by Fuel Type



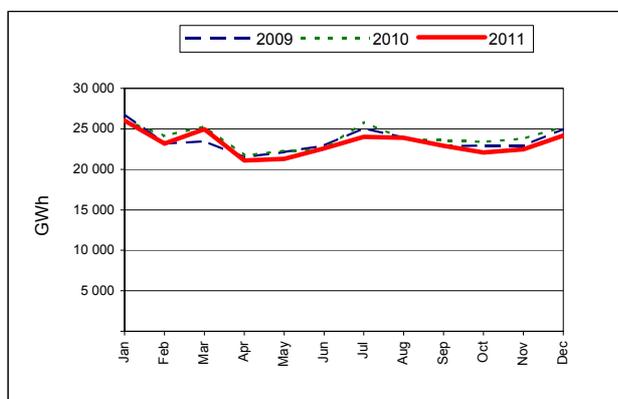
## COUNTRY NOTES:

## SPAIN

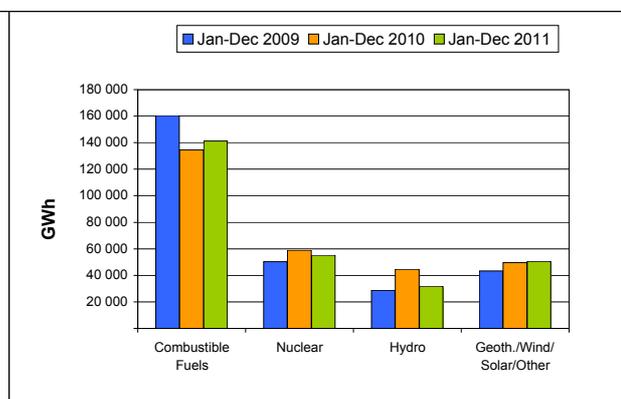
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	11 571	1.6%	13 385	12 318	11 418	141 211	4.9%	134 627
+ Nuclear	5 048	5.0%	4 962	4 481	4 521	55 086	-6.6%	58 996
+ Hydro	2 465	-40.8%	1 335	1 455	2 327	31 792	-28.6%	44 526
+ Geoth./Wind/Solar/Other	5 079	3.6%	3 229	3 825	4 211	50 629	2.0%	49 620
<b>= Indigenous Production</b>	<b>24 163</b>	<b>-4.4%</b>	<b>22 911</b>	<b>22 080</b>	<b>22 477</b>	<b>278 718</b>	<b>-3.1%</b>	<b>287 766</b>
+ Imports	832	24.2%	702	755	504	7 682	48.6%	5 169
- Exports	1 290	40.4%	1 245	1 130	1 082	13 689	1.3%	13 514
<b>= Electricity Supplied</b>	<b>23 705</b>	<b>-5.2%</b>	<b>22 368</b>	<b>21 705</b>	<b>21 899</b>	<b>272 711</b>	<b>-2.4%</b>	<b>279 421</b>

- Electricity production was 24 163 GWh in December 2011.
  - This was lower by 1 102 GWh, or 4.4%, compared to December 2010.
  - This was an increase of 1 686 GWh, or 7.5%, 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 20.6%, or 868 GWh.
- Total production for the year-to-date was 278 718 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 9 048 GWh, or 3.1%.
  - Hydro production showed the largest percentage change by energy source, being 28.6% lower.
  - Trade volume increased by 2 688 GWh, or 14.4%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

- Includes the Canary Islands.

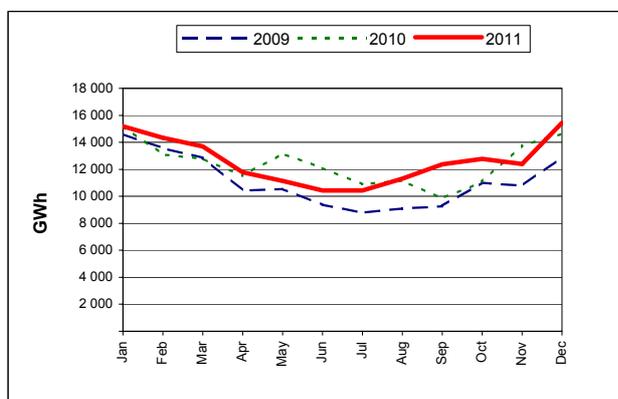
## SWEDEN

GWh

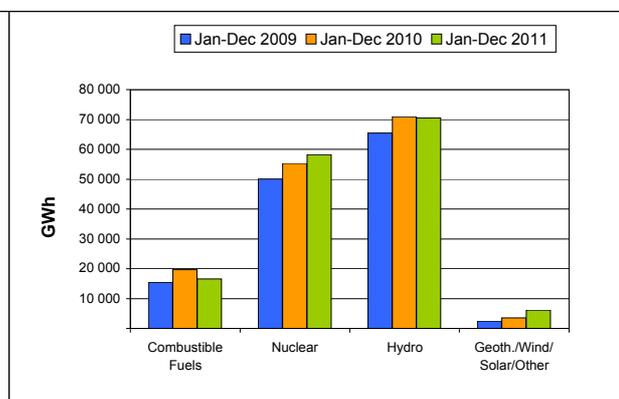
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	1 732	-28.7%	780	1 062	1 478	16 597	-15.5%	19 639
+ Nuclear	5 530	5.0%	3 321	3 475	3 910	58 142	5.3%	55 241
+ Hydro	7 299	11.4%	7 729	7 566	6 469	70 491	-0.6%	70 914
+ Geoth./Wind/Solar/Other	883	132.4%	551	671	546	6 084	74.5%	3 487
<b>= Indigenous Production</b>	<b>15 444</b>	<b>5.6%</b>	<b>12 381</b>	<b>12 775</b>	<b>12 403</b>	<b>151 314</b>	<b>1.4%</b>	<b>149 282</b>
+ Imports	652	-68.6%	518	765	1 157	12 477	-16.4%	14 931
- Exports	2 134	633.3%	2 176	1 405	1 302	19 506	51.8%	12 851
<b>= Electricity Supplied</b>	<b>13 962</b>	<b>-14.9%</b>	<b>10 723</b>	<b>12 135</b>	<b>12 258</b>	<b>144 285</b>	<b>-4.7%</b>	<b>151 362</b>

- Electricity production was 15 444 GWh in December 2011.
  - This was higher by 814 GWh, or 5.6%, compared to December 2010.
  - This was an increase of 3 041 GWh, or 24.5%, 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 61.7%, or 337 GWh.
- Total production for the year-to-date was 151 314 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 2 032 GWh, or 1.4%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 74.5% higher.
  - Trade volume increased by 4 201 GWh, or 15.1%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

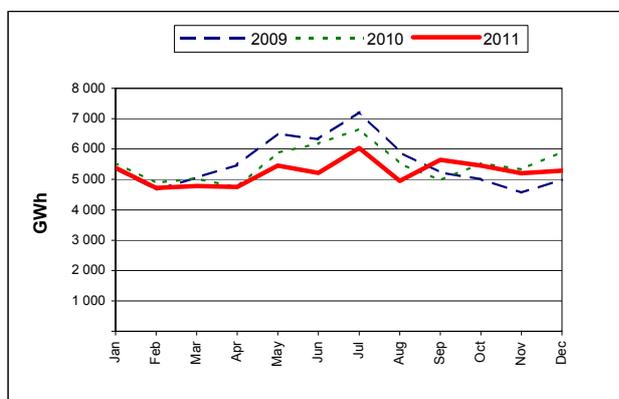
## SWITZERLAND

GWh

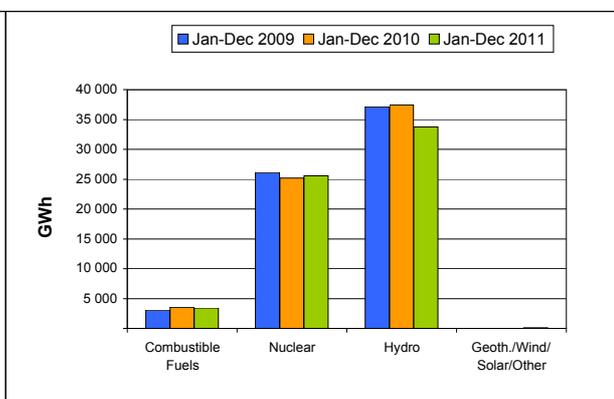
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	308	7.7%	260	277	293	3 423	-2.7%	3 517
+ Nuclear	2 441	-0.2%	1 835	2 397	2 361	25 560	1.4%	25 205
+ Hydro	2 526	-20.3%	3 538	2 771	2 536	33 760	-9.9%	37 449
+ Geoth./Wind/Solar/Other	11	83.3%	11	11	11	132	83.3%	72
<b>= Indigenous Production</b>	<b>5 287</b>	<b>-10.5%</b>	<b>5 644</b>	<b>5 457</b>	<b>5 202</b>	<b>62 879</b>	<b>-5.1%</b>	<b>66 248</b>
+ Imports	3 344	-11.5%	1 800	2 944	3 053	33 122	-0.8%	33 401
- Exports	2 531	-22.4%	2 429	3 052	2 531	30 635	-6.8%	32 882
<b>= Electricity Supplied</b>	<b>6 100</b>	<b>-5.0%</b>	<b>5 015</b>	<b>5 349</b>	<b>5 724</b>	<b>65 366</b>	<b>-2.1%</b>	<b>66 767</b>

- Electricity production was 5 287 GWh in December 2011.
  - This was lower by 619 GWh, or 10.5%, compared to December 2010.
  - This was an increase of 85 GWh, or 1.6%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 5.1%, or 15 GWh.
- Total production for the year-to-date was 62 879 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 3 369 GWh, or 5.1%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 83.3% higher.
  - Trade volume decreased by 2 526 GWh, or 3.8%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



## COUNTRY NOTES:

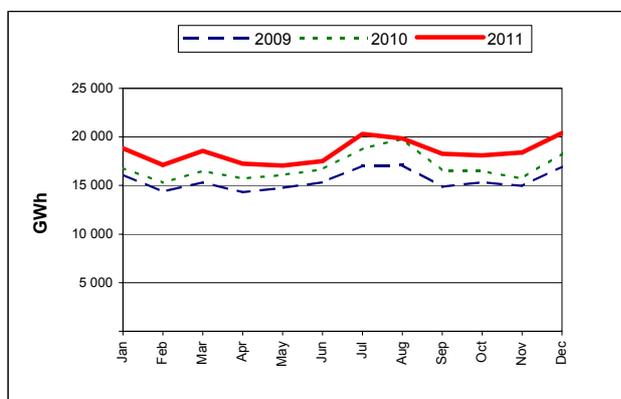
- Does not include Liechtenstein.

## TURKEY

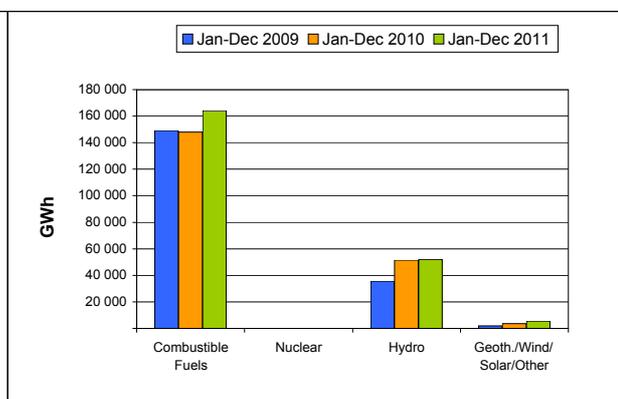
	GWh							
	Dec-11	Dec-10 % change	The last 3 months			Year-to-Date		Past Year 2010
			Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	
+ Combustible Fuels	16 228	13.4%	14 079	14 012	13 774	164 203	11.0%	147 934
+ Nuclear	0	0.0%	0	0	0	0	0.0%	0
+ Hydro	3 677	3.5%	3 625	3 601	4 080	51 957	1.1%	51 387
+ Geoth./Wind/Solar/Other	500	15.5%	560	499	551	5 450	56.1%	3 491
<b>= Indigenous Production</b>	<b>20 404</b>	<b>11.5%</b>	<b>18 263</b>	<b>18 112</b>	<b>18 406</b>	<b>221 610</b>	<b>9.3%</b>	<b>202 810</b>
+ Imports	261	19.2%	271	259	249	2 885	152.2%	1 144
- Exports	336	53.4%	256	281	324	2 748	43.4%	1 916
<b>= Electricity Supplied</b>	<b>20 329</b>	<b>11.1%</b>	<b>18 278</b>	<b>18 090</b>	<b>18 331</b>	<b>221 747</b>	<b>9.8%</b>	<b>202 038</b>

- Electricity production was 20 404 GWh in December 2011.
  - This was higher by 2 104 GWh, or 11.5%, compared to December 2010.
  - This was an increase of 1 998 GWh, or 10.9%, compared to the previous month.
  - Combustible Fuels production showed the most significant percentage change compared to the previous month with an increase of 17.8%, or 2 454 GWh.
- Total production for the year-to-date was 221 610 GWh. Comparing this to the same period last year shows that:
  - Total production was higher by 18 800 GWh, or 9.3%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 56.1% higher.
  - Trade volume decreased by 25 518 GWh, or 7.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



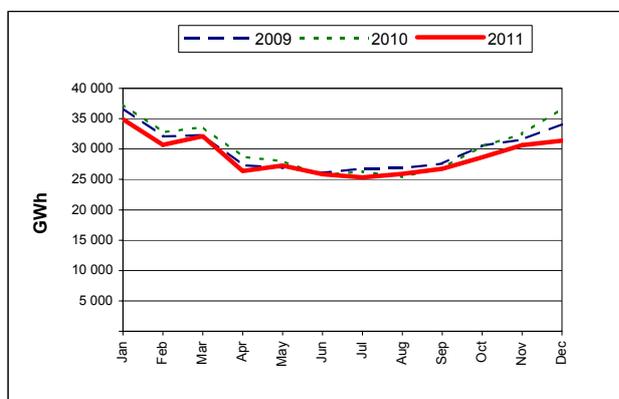
## COUNTRY NOTES:

## UNITED KINGDOM

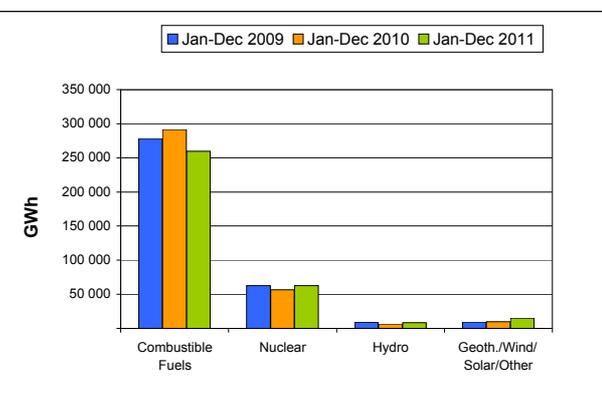
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	23 209	-21.8%	20 257	22 100	24 043	259 756	-10.9%	291 495
+ Nuclear	5 015	-12.1%	4 244	4 055	4 199	62 663	11.0%	56 442
+ Hydro	1 057	107.3%	766	862	809	8 475	27.1%	6 670
+ Geoth./Wind/Solar/Other	2 092	162.8%	1 465	1 650	1 567	15 054	49.9%	10 042
<b>= Indigenous Production</b>	<b>31 372</b>	<b>-14.5%</b>	<b>26 733</b>	<b>28 667</b>	<b>30 618</b>	<b>345 952</b>	<b>-5.1%</b>	<b>364 648</b>
+ Imports	1 289	94.7%	591	456	447	8 689	21.6%	7 144
- Exports	98	-69.8%	150	240	585	2 468	-44.9%	4 481
<b>= Electricity Supplied</b>	<b>32 563</b>	<b>-12.1%</b>	<b>27 174</b>	<b>28 883</b>	<b>30 480</b>	<b>352 173</b>	<b>-4.1%</b>	<b>367 311</b>

- Electricity production was 31 372 GWh in December 2011.
  - This was lower by 5 323 GWh, or 14.5%, compared to December 2010.
  - This was an increase of 754 GWh, or 2.5%, 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 33.5%, or 525 GWh.
- Total production for the year-to-date was 345 952 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 18 696 GWh, or 5.1%.
  - Geoth./Wind/Solar/Other production showed the largest percentage change by energy source, being 49.9% higher.
  - Trade volume decreased by 25 518 GWh, or 7.3%.

Electricity Production Compared to Previous Year



'Year to Date' Comparison of Production by Fuel Type



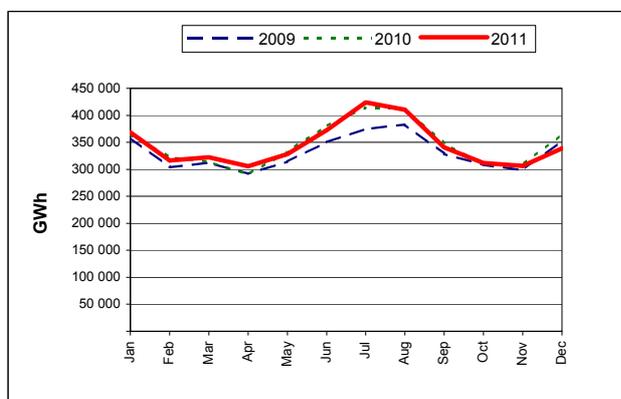
## COUNTRY NOTES:

## UNITED STATES

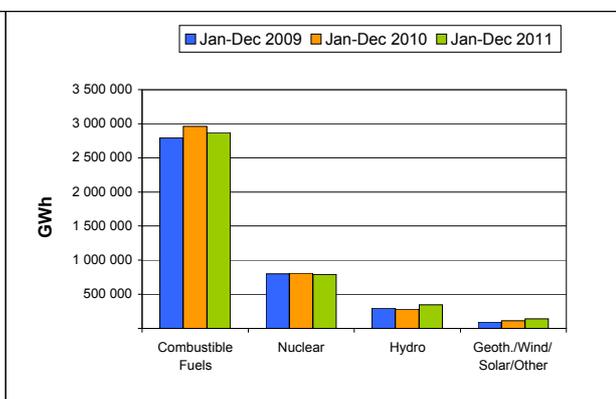
	GWh							
	Dec-11	Dec-10	The last 3 months			Year-to-Date		Past Year
		% change	Sep-11	Oct-11	Nov-11	Jan-Dec 2011	% change	2010
+ Combustible Fuels	228 643	-10.8%	241 934	214 673	205 344	2 866 809	-3.2%	2 962 483
+ Nuclear	71 905	-2.5%	66 912	63 413	64 534	790 967	-2.1%	807 724
+ Hydro	26 071	5.0%	23 462	21 590	22 727	348 122	23.7%	281 475
+ Geoth./Wind/Solar/Other	12 078	16.9%	8 572	11 943	13 896	139 644	23.6%	112 997 e
<b>= Indigenous Production</b>	<b>338 697</b>	<b>-7.3%</b>	<b>340 880</b>	<b>311 619</b>	<b>306 502</b>	<b>4 145 541</b>	<b>-0.5%</b>	<b>4 164 681 e</b>
+ Imports	4 276	216.5%	4 052	3 715	3 485	52 500	26.5%	41 503
- Exports	874	-77.1%	1 016	913	1 129	15 039	-34.0%	22 795
<b>= Electricity Supplied</b>	<b>342 099</b>	<b>-5.7%</b>	<b>343 916</b>	<b>314 421</b>	<b>308 858</b>	<b>4 183 002</b>	<b>0.0%</b>	<b>4 183 389 e</b>

- Electricity production was 338 697 GWh in December 2011.
  - This was lower by 26 623 GWh, or 7.3%, compared to December 2010.
  - This was an increase of 32 195 GWh, or 10.5%, compared to the previous month.
  - Hydro production showed the most significant percentage change compared to the previous month with an increase of 14.7%, or 3 344 GWh.
- Total production for the year-to-date was 4 145 541 GWh. Comparing this to the same period last year shows that:
  - Total production was lower by 19 140 GWh, or 0.5%.
  - Hydro production showed the largest percentage change by energy source, being 23.7% higher.
  - Trade volume decreased by 25 518 GWh, or 7.3%.

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.

## 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 energy sources not included in the other categories.
- 'Indigenous Production' = The sum of electricity production by energy source.
- '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>).
- Subscriptions to this publication are available at <http://mailing.iea.org>
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Comments and queries on the data or on the presentation should be addressed to:  
Email: [CES@iea.org](mailto:CES@iea.org)

For other information please contact the Energy Statistics Division of the IEA by:

Email: [stats@iea.org](mailto:stats@iea.org)  
Fax: +33 (0)1 40 57 66 49 or  
Phone: +33 (0)1 40 57 66 25  
International Energy Agency  
9, rue de la Fédération, 75739 Paris Cedex 15 - France