



Beyond Electricity

Year: 2010

2010

BEYOND ELECTRICITY

dashboard

Production

20 936 367

GWh

Consumption

19 450 915

GWh

Transmission and distribution losses

8,3% | 1 735 417 GWh



2010



33 KWh

*are needed to create
100 US\$ of GDP*



0,36 T

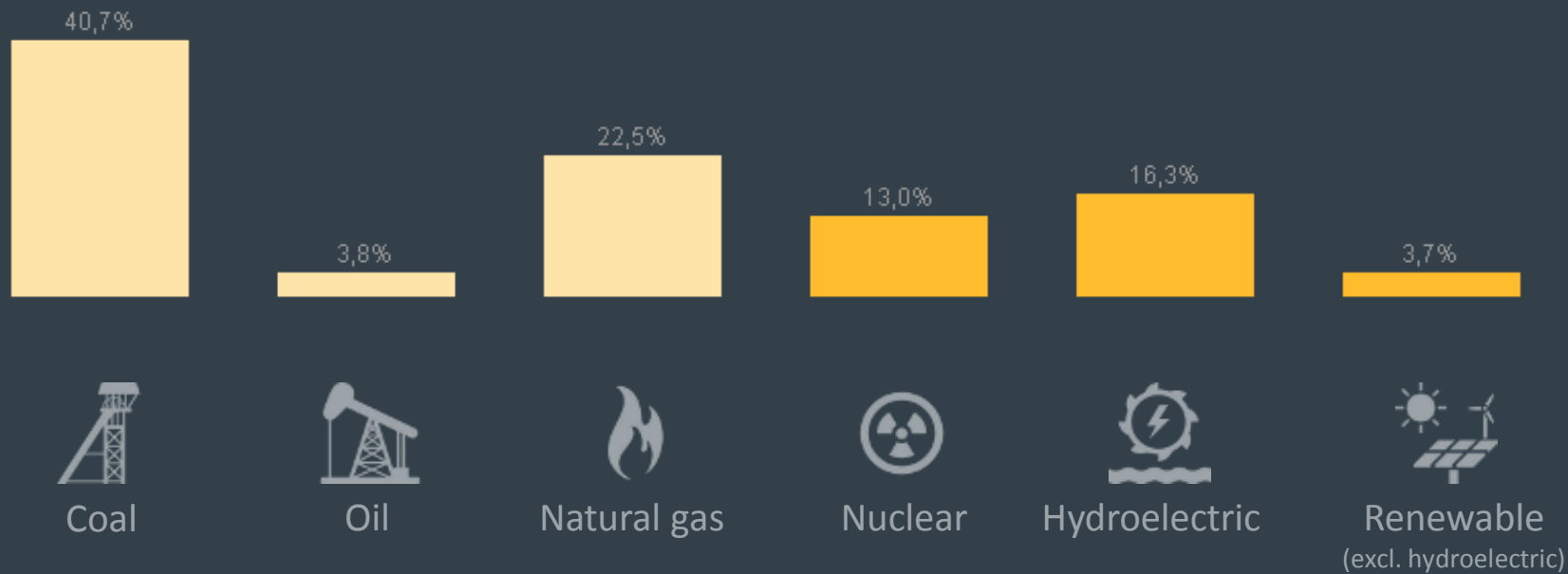
*of CO2 emissions to
generate **1 MWh***

2010

Production per source

Carbohydrate energy : 67,0%

Nuclear energy and alternative : 33,0%



Renewable : 20,0%

What is the **part**
of each source of energy
in each country's
electricity production?



Coal



The bigger the bubble, the higher the percentage of Coal source in the country' electricity production.



Hydroelectric



The bigger the bubble, the higher the percentage of Hydroelectric source in the country's electricity production.

Natural gas



The bigger the bubble, the higher the percentage of Natural gas source in the country' electricity production.



Nuclear



The bigger the bubble, the higher the percentage of Nuclear source in the country's electricity production.



Oil



The bigger the bubble, the higher the percentage of Oil source in the country' electricity production.



Renewable



The bigger the bubble, the higher the percentage of Renewable source in the country's electricity production.

Let's see the
details!


















Arab World

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
Saudi Arabia	168 555	218 679	-71 512	12,69%	0,00%	8 022
Egypt, Arab Rep.	146 795	130 437	1 439	10,16%	10,05%	1 671
United Arab Em...	97 728	83 193	7 393	7,31%	0,00%	9 855
Kuwait	57 029	50 136	0	12,09%	0,00%	17 059
Syrian Arab Re...	46 413	38 957	353	15,30%	5,58%	1 809
Iraq	40 714	36 758	-15 606	48,05%	11,71%	1 187
Algeria	45 734	36 576	67	19,88%	0,38%	987
Libya	32 753	28 425	50	13,06%	0,00%	4 706
Qatar	28 144	26 377	0	6,28%	0,00%	15 280
Morocco	23 509	24 787	-4 103	12,02%	16,86%	783
Oman	19 819	16 507	0	16,71%	0,00%	8 044
Lebanon	15 712	15 088	-1 245	11,90%	5,34%	3 988
Tunisia	16 096	14 241	-19	11,64%	1,17%	1 350
Jordan	14 777	13 400	-612	13,46%	0,49%	2 216
Bahrain	13 230	12 384	-173	7,70%	0,00%	11 165
Sudan	7 747	6 049	0	21,92%	80,02%	170
Yemen, Rep.	7 756	5 979	0	22,91%	0,00%	263





























Caribbean small states

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
 Trinidad and To...	8 485	7 905	0	6,84%	0,00%	6 876
 Jamaica	4 194	3 302	0	21,27%	7,92%	1 222



































European Monetary Union

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
 Germany	612 814	585 703	-1 127	4,61%	16,91% ↑	7 162
 France	562 251	503 029	23 808	6,30%	13,89% ↑	7 735
 Italy	295 852	325 654	-50 372	6,95%	26,02% ↑↑	5 384
 Spain	297 502	265 794	4 308	9,21%	32,87% ↑↑	5 769
 Netherlands	116 422	116 466	-4 494	3,82%	9,62%	7 010
 Belgium	92 212	91 388	-3 459	4,64%	7,04%	8 606
 Finland	73 852	88 403	-17 317	3,75%	32,74% ↑↑	19 722
 Austria	67 308	69 812	-6 147	5,41%	66,85% ↑↑↑↑	8 321
 Greece	57 238	59 315	-5 860	6,61%	18,38% ↑	5 246
 Portugal	53 362	52 433	-3 352	8,02%	53,14% ↑↑↑	4 929
 Slovak Republic	27 400	28 043	-1 499	3,12%	21,68% ↑↑	5 164
 Ireland	26 186	26 965	-2 896	8,08%	14,25% ↑	6 027
 Slovenia	16 243	13 359	1 902	6,05%	29,19% ↑↑	6 521
 Estonia	12 842	8 663	3 132	8,15%	8,13%	6 464 149
 Luxembourg	3 186	8 534	-5 470	3,83%	8,38%	16 833 908
 Cyprus	5 322	5 102	0	4,13%	1,37%	4 622 696
 Malta	2 115	1 729	0	18,25%	0,09%	4 156 300




























European Union

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
 Germany	612 814	585 703	-1 127	4,61%	16,91% ↑	7 162
 France	562 251	503 029	23 808	6,30%	13,89% ↑	7 735
 United Kingdom	377 242	357 775	-7 192	7,07%	6,85%	5 745
 Italy	295 852	325 654	-50 372	6,95%	26,02% ↑↑	5 384
 Spain	297 502	265 794	4 308	9,21%	32,87% ↑↑	5 769
 Poland	156 845	144 452	542	7,56%	6,94%	3 783
 Sweden	146 507	140 056	-4 134	7,22%	56,04% ↑↑↑	14 934
 Netherlands	116 422	116 466	-4 494	3,82%	9,62%	7 010
 Belgium	92 212	91 388	-3 459	4,64%	7,04%	8 606
 Finland	73 852	88 403	-17 317	3,75%	32,74% ↑↑	19 722
 Austria	67 308	69 812	-6 147	5,41%	66,85% ↑↑↑↑	8 321
 Czech Republic	85 294	66 496	14 332	5,24%	6,92%	6 321
 Greece	57 238	59 315	-5 860	6,61%	18,38% ↑	5 246
 Portugal	53 362	52 433	-3 352	8,02%	53,14% ↑↑↑	4 929
 Romania	60 619	51 647	1 914	11,64%	33,49% ↑↑	2 409
 Hungary	37 219	38 765	-5 347	10,21%	8,11%	3 876
 Denmark	38 046	35 102	389	6,72%	32,63% ↑↑	7 289
 Bulgaria	46 003	33 727	7 796	9,74%	12,58% ↑	4 476
 Slovak Republic	27 400	28 043	-1 499	3,12%	21,68% ↑↑	5 164
 Ireland	26 186	26 965	-2 896	8,08%	14,25% ↑	6 027
 Croatia	13 999	16 848	-4 871	14,44%	60,73% ↑↑↑↑	3 814
 Slovenia	16 243	13 369	1 902	6,05%	29,19% ↑↑	6 521
 Lithuania	4 744	10 750	-6 995	20,85%	19,20% ↑	3 271
 Estonia	12 842	8 663	3 132	8,15%	8,13%	6 464 149
 Luxembourg	3 186	8 534	-5 470	3,83%	8,38%	16 833 908
 Latvia	6 627	6 775	-873	10,94%	54,85% ↑↑↑	4 466
 Cyprus	5 322	5 102	0	4,13%	1,37%	4 622 696
 Malta	2 115	1 729	0	18,25%	0,09%	4 156 300

Heavily indebted poor countries

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
 Mozambique	16 666	10 667	3 542	14,74%	99,89% 	445
 Zambia	11 302	8 057	565	23,71%	99,74% 	610
 Ghana	8 088	7 256	-1 149	24,49%	86,50% 	299
 Congo, Dem. Rep.	7 888	6 278	755	10,84%	99,56% 	101
 Sudan	7 747	6 049	0	21,92%	80,02% 	170
 Bolivia	6 768	6 018	0	11,08%	32,89% 	593
 Cameroon	5 899	5 319	0	9,83%	73,22% 	258
 Honduras	6 734	5 098	0	24,29%	46,11% 	669
 Ethiopia	4 980	4 482	0	10,00%	99,38% 	51
 Cote d'Ivoire	5 959	4 264	491	20,20%	28,21% 	225
 Tanzania	5 106	4 114	0	19,43%	50,41% 	91
 Nicaragua	3 659	2 739	33	24,24%	37,00% 	470
 Senegal	3 032	2 431	-51	21,50%	10,16% 	188
 Congo, Rep.	785	600	-281	59,36%	54,78% 	146
 Eritrea	311	272	0	12,54%	0,64%	47
 Haiti	587	244	0	58,43%	30,15% 	25
 Benin	150		150	0,00%	0,67%	0
 Togo	132		132	0,00%	75,76% 	0










Least developed countries

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
 Bangladesh	41 710	37 394	0	10,35%	1,75%	247
 Mozambique	16 666	10 667	3 542	14,74%	99,89% 	445
 Zambia	11 302	8 057	565	23,71%	99,74% 	610
Myanmar	7 543	6 290	0	16,61%	67,68% 	121
Congo, Dem. Rep.	7 888	6 278	755	10,84%	99,56% 	101
 Sudan	7 747	6 049	0	21,92%	80,02% 	170
 Yemen, Rep.	7 756	5 979	0	22,91%	0,00%	263
 Angola	5 449	4 822	0	11,51%	67,96% 	247
 Ethiopia	4 980	4 482	0	10,00%	99,38% 	51
 Tanzania	5 106	4 114	0	19,43%	50,41% 	91
 Nepal	3 207	2 777	-664	34,11%	99,91% 	103
 Senegal	3 032	2 431	-51	21,50%	10,16% 	188
 Cambodia	994	2 065	-1 357	28,77%	4,93%	144
 Eritrea	311	272	0	12,54%	0,64%	47
 Haiti	587	244	0	58,43%	30,15% 	25
 Benin	150		150	0,00%	0,67%	0
 Togo	132		132	0,00%	75,76% 	0

OECD members

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (kWh)
United States	4 339 749	4 143 399	-64 649	6,01%	10,15% ↑	13 395
Japan	1 084 438	1 067 735	-32 684	4,55%	11,45% ↑	8 378
Germany	612 814	585 703	-1 127	4,61%	16,91% ↑	7 162
Canada	601 836	551 273	25 535	4,16%	61,35% ↑↑↑↑	16 154
France	562 251	503 029	23 808	6,30%	13,89% ↑	7 735
Korea, Rep.	496 177	481 474	-3 331	3,63%	1,25%	9 744
United Kingdom	377 242	357 775	-7 192	7,07%	6,85%	5 745
Italy	295 852	325 654	-50 372	6,95%	26,02% ↑↑	5 384
Spain	297 502	265 794	4 308	9,21%	32,87% ↑↑	5 769
Australia	252 107	236 630	-48	6,16%	8,57%	10 724
Mexico	271 050	225 846	952	16,33%	17,60% ↑	1 916
Turkey	211 083	180 212	649	14,32%	26,39% ↑↑	2 498
Poland	156 845	144 452	542	7,56%	6,94%	3 783
Sweden	146 507	140 056	-4 134	7,22%	56,04% ↑↑↑↑	14 934
Norway	122 980	121 698	-8 209	7,72%	95,93% ↑↑↑↑↑	24 891
Netherlands	116 422	116 466	-4 494	3,82%	9,62%	7 010
Belgium	92 212	91 388	-3 459	4,64%	7,04%	8 606
Finland	73 852	88 403	-17 317	3,75%	32,74% ↑↑	19 722
Austria	67 308	69 812	-6 147	5,41%	66,85% ↑↑↑↑	8 321
Czech Republic	85 294	66 496	14 332	5,24%	6,92%	6 321
Switzerland	64 913	63 966	-3 430	6,74%	57,71% ↑↑↑↑	8 175
Greece	57 238	59 315	-5 860	6,61%	18,38% ↑	5 246
Chile	60 322	56 425	-1 070	8,23%	40,28% ↑↑↑↑	3 290
Israel	58 534	52 984	3 934	2,76%	0,25%	7 568
Portugal	53 362	52 433	-3 352	8,02%	53,14% ↑↑↑↑	4 929
New Zealand	44 817	41 777	-61	6,92%	73,26% ↑↑↑↑↑	11 095
Hungary	37 219	38 765	-5 347	10,21%	8,11%	3 876
Denmark	38 046	35 102	389	6,72%	32,63% ↑↑	7 289
Slovak Republic	27 400	28 043	-1 499	3,12%	21,68% ↑↑	5 164
Ireland	26 186	26 965	-2 896	8,08%	14,25% ↑	6 027
Iceland	17 059	16 360	0	4,10%	99,99% ↑↑↑↑↑	51 439 909
Slovenia	16 243	13 359	1 902	6,05%	29,19% ↑↑	6 521
Estonia	12 842	8 663	3 132	8,15%	8,13%	6 464 149
Luxembourg	3 186	8 534	-5 470	3,83%	8,38%	16 833 908

Small states

Country	Production (GWh)	Consumption (GWh)	Energetical Balance (GWh)	Losses (%)	Renewable (%)	Cons. per capita (KWh)
 Trinidad and To...	8 485	7 905	0	6,84%	0,00%	6 876
 Montenegro	4 022	3 357	-2	16,58%	68,37% 	5 413 835
 Jamaica	4 194	3 302	0	21,27%	7,92%	1 222
 Namibia	1 305	3 211	-2 255	26,74%	95,56% 	2 368
 Botswana	457	3 184	-2 985	56,46%	0,00%	2 650
 Gabon	1 853	1 516	0	18,19%	44,14% 	1 135



Thank you!

Any questions?