

Energy Supply and Demand Balance December Year 2004

Converted into Petajoules using Gross Calorific Values		COAL					OIL							GAS	RENEWABLES							ELEC- TRICITY	TOTAL					
		Bituminous		Sub-bitum.	Bituminous & Sub-bitum.	Lignite	Peat/ Coke	Total	Crudes/ Feedstocks	LPG/ NGL	Motor Gasoline	Diesel	Fuel Oil	Av. Fuel/ Kero	Others	Total	Natural Gas	Hydro	Geo-thermal	Solar	Wind			Biogas	Wastes	Wood	Total	
		Coking	Other																									
S U P P L Y	Indigenous Production	77.58	1.75	48.89	128.22	3.79	132.01	42.53	9.20							51.74	160.63	97.28	84.95	0.20	1.288	1.47	17.17	35.00	237.36		581.74	
	+ Imports		1.61	18.43	20.04	0.00	0.21	20.25	217.01	0.39	41.03	36.22	0.00	13.80	7.30	315.76											336.01	
	- Exports	59.98			59.98	0.00	0.06	60.04	33.45	0.75	0.00	0.24	2.62	0.00	0.00	37.06											97.10	
	- Stock Change								-1.42	0.23	5.00	0.98	0.20	1.93	-0.34	6.59	0.10										6.69	
	- International Transport										0.00	1.53	8.80	38.04	0.00	48.37											48.37	
	TOTAL PRIMARY ENERGY	17.59	3.36	67.33	88.28	3.79	0.15	92.22	227.51	8.62	36.02	33.47	-11.62	-26.18	7.64	275.47	160.53	97.28	84.95	0.20	1.288	1.47	17.17	35.00	237.36		765.59	
	ENERGY TRANSFORMATION				-45.37			-45.37	-227.51	-0.80	76.02	72.20	23.35	42.62	5.18	-8.95	-67.42	-97.28	-70.31		-1.288	-1.36	-16.80	-5.88	-192.93	142.57	-172.10	
	Electricity Generation				-42.56			-42.56									-39.80	-97.28	-63.71		-1.288	-1.06				-163.33	142.56	-103.13
	Cogeneration				-0.81			-0.81									-20.59	-0.61				-0.30	-16.80	-5.88		-23.59	10.85	-34.15
	Oil Production								-227.51		76.47	74.90	21.30	43.26	12.28	0.69											0.69	
Losses and Own Use				-2.00			-2.00		-0.80	-0.45	-2.70	2.05	-0.64	-7.10	-9.64	-7.03		-6.00							-6.00	-10.84	-35.51	
<i>Non-energy Use</i>														-12.82	-12.82	-50.59											-63.40	
CONSUMER ENERGY (calculated)		3.36	67.33	42.90	3.79	0.15	46.85		7.82	112.04	105.67	11.73	16.44	0.00	253.71	42.53		14.64	0.20	0.000	0.11	0.37	29.12	44.43	142.57	530.09		
D E M A N D	Agriculture				0.52	0.01	0.53			1.18	9.74	1.48	0.20		12.60											5.61	18.74	
	Agriculture and Hunting				0.52	0.01	0.53			1.15	6.27	0.01	0.19		7.63											5.40	13.56	
	Fishing									0.03	3.47	1.46	0.01		4.97											0.21	5.18	
	Industrial				28.41	3.47	31.88			2.97	0.39	12.20	1.14	0.17		16.88	26.85	12.32					0.37	26.58	39.26	57.23	172.11	
	Other Primary Industry									0.01	2.95	0.34	0.01		3.31											1.20	*	
	Food Processing									0.00	0.06	0.13	0.00		0.19											7.85	*	
	Textiles																									0.61	*	
	Wood, Pulp, Paper and Printing																									14.96	*	
	Chemicals																									2.60	*	
	Non-metallic Minerals																									0.96	*	
Basic Metals				18.10			18.10				0.00														24.36	*		
Mechanical/Electrical Equipment																									1.32	*		
Building and Construction										0.01	2.60	0.01	0.10		2.72										1.14	*		
Unallocated				10.32	3.47		13.79		2.97	0.36	6.60	0.66	0.06		10.65	26.85	12.32					0.37	26.58	39.26	2.23	*		
Commercial				5.97	0.60	6.57			1.40	0.47	3.41	0.63	0.66		6.57	8.75					0.11			0.11	26.61	48.61		
Residential				0.45	0.40	0.86			2.23	0.00	0.00	0.00	0.00		2.23	6.71	2.32	0.20					2.54	5.06	47.68	62.54		
Domestic Transport				0.08		0.08			1.22	110.96	75.76	4.61	17.71		210.25	0.22									2.14	212.69		
CONSUMER ENERGY (observed)				35.44	4.49	0.00	39.93		7.82	113.00	101.11	7.85	18.75	0.00	248.52	42.53		14.64	0.20	0.11	0.37	29.12	44.43	139.28	514.69			
Statistical Differences				7.46	-0.70	0.15	6.92		0.00	-0.95	4.56	3.88	-2.30	0.00	5.18	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	3.29	15.39	

* Unknown or confidential.

Electricity end use excludes electricity generated and consumed by cogeneration plants.