

Ireland's Energy Balance 2004

2004	Units = ktoe	NACE	COAL	Bituminous Coal	Anthracite + Manuf Ovoids	Coke	Lignite	PEAT	Milled Peat	Sod Peat	BRIQUETTES	OIL	Crude	Refinery Gas	Gasoline	Kerosene	JET Kerosene	Fueloil	LPG	Gasoil / Diesel /DERV	Petroleum Coke	Naphta	
Indigenous Production			0	0				889	712	177		0											
Imports			1,836	1,775	42	19	0					10,311	2,959		1,267	404	1,016	1,298	126	2,596	293	0	
Exports			5	0	5	0	10				10	1,330			130	14	0	928	23	128	0	27	
Mar. Bunkers			0				0					153						48		104			
Stock Change			-48	-47	3	-4	-305	-314	-0	9	155	33			85	-2	72	-53	0	14	0	6	
Total Primary Energy Requirement			1,783	1,728	39	0	16	574	398	177	-1	8,983	2,992	0	1,223	388	1,088	269	104	2,378	293	-21	
Transformation Input			1,405	1,387	18	0	0	387	387	0	0	3,782	2,992	8	0	0	0	721	0	48	12	0	
Public Thermal Power Plants			1,384	1,384				289	289	0		761						721		39			
Combined Heat and Power Plants			3	3				7	7			8		8				0	0	0			
Pumped Storage Consumption																							
Patent Fuel and Briquetting Plants			18		18			91	91			12										12	
Oil Refineries & other energy sector			0					0				3,000	2,992							8			
Transformation Output			42	0	42	0	0	91	0	0	91	2,982	0	98	588	266	0	951	60	997	0	22	
Public Thermal Power Plants			0					0				0											
Combined Heat and Power Plants - Electricity			0					0				0											
Combined Heat and Power Plants - Heat																							
Pumped Storage Generation																							
Patent Fuel and Briquetting Plants			42		42			91			91	0											
Oil Refineries			0					0				2,982		98	588	266	0	951	60	997		22	
Exchanges and transfers			0	0	0	0	0	0	0	0	0	-4	0	0	9	254	-255	7	0	-19	0	0	
Electricity																							
Heat																							
Other												-4			9	254	-255	7		-19			
Own Use and Distribution Losses			0					24	24			123		90				18	7	8			
Available Final Energy Consumption			420	341	63	0	16	254	-13	177	90	8,058	0	0	1,819	909	833	488	156	3,301	281	1	
Non-Energy Consumption			0	0	0	0	0	0	0	0	0	269	0	0	0	0	0	0	0	0	0	0	
Final non-Energy Consumption (Feedstocks)			0					0				269											
Total Final Energy Consumption			405	330	59	0	15	267	0	177	90	7,726	0	0	1,732	895	743	513	152	3,426	264	1	
Industry*			148	148	0	0	0	0	0	0	0	972	0	0	0	120	0	367	63	186	234	1	
Non-Energy Mining	13-14		0	0				0				121				3		11	1	45	60		
Food, beverages and tobacco	15 - 16		22	22				0				298				37		113	13	37	98		
Textiles and textile products	17 - 18		10	10				0				35				3		9	17	6	0		
Wood and wood products	20		0	0				0				7				2		5	0	0	0		
Pulp, paper, publishing and printing	21 - 22		0	0				0				8				1		2	0	6	0		
Chemicals & man-made fibres	24		0	0				0				65				12		37	3	13	0		
Rubber and plastic products	25		0	0				0				10				0		1	2	6	0		
Other non-metallic mineral products	26		109	109				0				50				6		19	3	22	0		
Basic metals and fabricated metal products	27 - 28		0	0				0				228				52		160	13	3	0		
Machinery and equipment n.e.c.	29		0	0				0				91				1		3	8	3	76		
Electrical and optical equipment	30 - 33		8	8				0				49				1		4	2	41	0		
Transport equipment manufacture	34 - 35		0	0				0				4				0		1	1	1	0		
Other manufacturing	36 - 37, 19		0	0				0		0		5				1		2	0	1	0	1	
Transport			0	0	0	0	0	0	0	0	0	4,685	0	0	1,732	0	743	18	5	2,189	0	0	
Road			0					0				3,884			1,731				5	2,148			
Rail			0					0				39								39			
Inland Navigation			0					0				19							18				
Marine Transport			0					0				0								0			
Domestic Aviation			0					0				38			1					37			
International Aviation			0					0				706								706			
Residential			231	158	59	15	266		177	89	1,117				0	775		0	73	239	30		
Commercial/Public Services			26	25	1	0	0	0	0	0	0	690	0	0	0	0	0	128	11	550	0	0	
Commercial Services			26	25	1	0	0	0	0	0	0	384	0	0	0	0	0	12	8	364	0	0	
Public Services			0				0		0	0	0	305						116	3	187			
Agricultural			0	0	4	0	0	-13	-13	0	0	262	0	0	0	0	0	0	0	0	262	0	
Statistical Difference			15	11	4	0	0	-13	-13	0	0	62	0	0	87	14	91	-25	4	-125	17	0	

* Industry sub-sectoral breakdown is based on the CIP 2001 with adjustments for Steel. This is provisional until 2004 CIP data is available.

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2004	Units = ktoe	NACE	Bitumen	White Spirit	Lubricants	NATURAL GAS	RENEWABLES	HYDRO	Wind	Biomass	Landfill Gas	Biogas	Wastes	Solar	Geothermal	ELECTRICITY	Heat	TOTAL
Indigenous Production						690	325	54	56	184	20	10		0	0			
Imports			167	149	34	2,965	0									135		
Exports			0	75	6	0	0									0		
Mar. Bunkers							0											
Stock Change			0	0	0	-2	0											
Total Primary Energy Requirement			167	75	28	3,653	325	54	56	184	20	10	0	0	0	135	0	15,453
Transformation Input			0	0	0	2,251	22	0	0	0	20	2	0	0	0	64	0	7,910
Public Thermal Power Plants						2,157	20				20							
Combined Heat and Power Plants						94	2					2						
Pumped Storage Consumption																		47
Patent Fuel and Briquetting Plants							0											
Oil Refineries & other energy sector							0											16
Transformation Output			0	0	0	0	7	0	0	0	7	0	0	0	0	2,081	0	5,204
Public Thermal Power Plants							7				7							1,993
Combined Heat and Power Plants - Electricity							0											57
Combined Heat and Power Plants - Heat							0											
Pumped Storage Generation																		30
Patent Fuel and Briquetting Plants							0											
Oil Refineries							0											
Exchanges and transfers			0	0	0	0	-118	-54	-56	0	-7	0	0	0	0	118	0	0
Electricity							-118	-54	-56	0	-7	0	0	0	0	118	0	0
Heat																		
Other							0											
Own Use and Distribution Losses						60	0									274		
Available Final Energy Consumption			167	75	28	1,341	192	0	0	184	0	7	0	0	0	1,997	0	12,262
Non-Energy Consumption			167	75	28	0	0	0	0	0	0	0	0	0	0	0	0	0
Final non-Energy Consumption (Feedstocks)			167	75	28	0	0											
Total Final Energy Consumption			0	0	0	1,328	191	0	0	184	0	7	0	0	0	1,983	0	11,899
Industry*			0	0	0	434	146	0	0	141	0	5	0	0	0	592	0	2,292
Non-Energy Mining	13-14					33	0			0								35
Food, beverages and tobacco	15 - 16					144	5			0		5						143
Textiles and textile products	17 - 18					2	0			0								14
Wood and wood products	20					0	141			141								26
Pulp, paper, publishing and printing	21 - 22					29	0			0								24
Chemicals & man-made fibres	24					105	0			0								105
Rubber and plastic products	25					5	0			0								27
Other non-metallic mineral products	26					46	0			0								44
Basic metals and fabricated metal products	27 - 28					5	0			0								35
Machinery and equipment n.e.c.	29					14	0			0								15
Electrical and optical equipment	30 - 33					32	0			0								94
Transport equipment manufacture	34 - 35					11	0			0								9
Other manufacturing	36 - 37, 19					9	0			0								20
Transport			0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	4,698
Road							0											
Rail							0											13
Inland Navigation							0											
Marine Transport							0											
Domestic Aviation							0											
International Aviation							0											
Residential						593	43			43				0	0	632		2,882
Commercial/Public Services			0	0	0	300	2	0	0	0	0	2	0	0	0	694	0	1,712
Commercial Services						132	2					2						497
Public Services						169	0											196
Agricultural						0	0									52		314
Statistical Difference			0	0	0	14	0	0	0	0	0	0	0	0	-0	14	0	93

* Industry sub-sectoral breakdown is based on the CIP 2001 wi

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