

Table A2.5 New Zealand energy balance for year ended December 2006 (Ministry of Economic Development, 2007b)

Energy Supply and Demand Balance December Year 2006

Converted into Petajoules using Gross Calorific Values		COAL				OIL							GAS	RENEWABLES						ELEC- TRICITY	WASTE HEAT	TOTAL				
		Bituminous	Sub-bitum.	Bituminous & Sub-bitum.	Lignite	Total	Crudes/ Feedstocks	LPG/ NGL	Motor Gasoline	Diesel	Fuel Oil	Av. Fuel/ Kero	Others	Total	Natural Gas	Hydro	Geo-thermal	Solar	Wind	Biogas	Wood	Total				
SUPPLY	Indigenous Production	89.54	59.44	148.98	4.01	152.99	38.90	7.87					46.77	152.53	84.43	89.03	0.24	2.22	2.30	42.21	220.43			1.10	573.82	
	+ Imports	1.85	26.47	28.32	0.04	28.35	215.83	1.91	42.55	34.59	0.00	9.73	6.77	311.38												339.74
	- Exports	85.24		85.24	0.00	85.24	33.51	0.30	0.00	0.47	3.85	0.00	0.00	38.13												123.36
	- Stock Change			3.69		3.69	-9.98	0.34	2.55	2.68	2.31	0.43	-0.58	-2.25												1.44
	- International Transport								0.00	1.52	10.57	35.35	0.00	47.44	0.00											47.44
	TOTAL PRIMARY ENERGY	6.15	85.91	88.37	4.05	92.42	231.19	9.14	40.00	29.92	-16.73	-26.05	7.35	274.83	152.53	84.43	89.03	0.24	2.22	2.30	42.21	220.43		1.10	741.31	
DEMAND	ENERGY TRANSFORMATION			-70.30		-70.30	-231.30	-0.78	72.56	78.51	25.42	42.49	6.17	-6.93	-89.52	-84.43	-79.30	-2.22	-2.02	-7.49	-175.46	140.94	-1.10		-202.37	
	Electricity Generation			-50.99		-50.99								-61.28	-84.43	-71.82	-2.22	-1.16			-159.63	144.93			-126.96	
	Cogeneration			-0.69		-0.69								-21.39		-1.48					-9.83	9.67	-1.10		-23.34	
	Oil Production						-231.30		69.62	76.27	23.93	42.23	13.93	-5.32												-5.32
	Other Transformation			-18.60		-18.60								-2.11									2.13			-18.58
	Losses and Own Use			-0.03		-0.03			-0.78	2.93	2.23	1.49	0.26	-1.62		-6.00							-15.79			-28.17
Non-energy Use													-13.52	-13.52	-23.21										-36.72	
CONSUMER ENERGY (calculated)			18.07	4.05	22.12		8.37	112.56	108.43	8.69	16.44	0.00	254.38	39.81		9.73	0.24	0.00	0.28	34.72	44.97	140.94	0.00		502.22	
DEMAND	Agriculture			1.96	0.02	1.98			1.05	9.18	1.67	0.24	12.14	1.87								5.40			21.40	
	Agriculture and Hunting			1.96	0.02	1.98			1.02	6.44	0.00	0.23	7.70	1.87								5.09			16.65	
	Fishing								0.03	2.74	1.67	0.01	4.44									0.31			4.75	
	Industrial			12.85	3.52	16.37			2.92	0.48	12.33	1.13	0.17	17.02	28.43	5.77					26.87	32.64	55.39			149.85
	Other Primary Industry								0.01	3.08	0.32	0.01	3.42	0.20									1.21			4.83
	Food Processing								0.00	0.06	0.12	0.00	0.18	10.60									8.53			19.30
	Textiles																						0.66			0.66
	Wood, Pulp, Paper and Printing														7.05								12.75			19.80
	Chemicals														4.82								2.89			7.71
	Non-metallic Minerals														5.68								0.92			6.60
	Basic Metals									0.00													24.31			24.31
Mechanical/Electrical Equipment																						1.18			1.18	
Building and Construction									0.01	2.43	0.01	0.10	2.54	0.09								0.86			3.49	
Unallocated			12.85	3.52	16.37			2.92	0.46	6.76	0.68	0.06	10.88		5.77						26.87	32.64	2.07		61.96	
Commercial			3.32	0.49	3.82			1.44	0.09	2.04	0.26	0.78	4.61	4.99	3.86				0.28		4.14	28.00			45.56	
Residential			0.25	0.43	0.69			2.58	0.00	0.00	0.00	0.00	2.58	6.94	0.10	0.24					7.85	8.19	44.44		62.83	
National Transport			0.08		0.08			1.42	110.26	84.11	4.45	16.58	216.82	0.19									2.41		219.51	
CONSUMER ENERGY (observed)			18.47	4.47	22.94		8.37	111.88	107.66	7.51	17.77	0.00	253.18	42.42		9.73	0.24	0.00	0.28	34.72	44.97	135.64	0.00		499.15	
Statistical Differences			-0.40	-0.41	-0.82		0.00	0.68	0.77	1.18	-1.32	0.00	1.20	-2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.30	0.00		3.07	

