

## 1.1 GDP and Energy Indicator

	Unit	2000	2001	2002	2003	2004	2005	2006	2007	2008
GDP at Constant Price 2000	Trillion Rupiahs	1.390	1.443	1.506	1.577	1.657	1.751	1.847	1.963	2.082
GDP Nominal	Trillion Rupiahs	1.390	1.684	1.863	2.014	2.296	2.774	3.339	3.957	4.778
GDP Nominal per Capita	Thousand Rupiahs	6.752	8.072	8.789	9.354	10.538	12.676	15.030	17.538	20.909
Population	Thousand	205.843	208.647	212.003	215.276	217.854	218.869	222.192	225.642	228.523
Number of Households	Thousand	52.005	54.314	55.041	56.623	58.253	55.119	55.942	56.411	57.131
Primary Energy Supply	Thousand BOE	726.687	772.282	799.806	859.053	872.677	896.445	897.152	955.713	1.014.382
Primary Energy Supply per Capita	BOE / capita	3,53	3,70	3,77	3,99	4,01	4,10	4,04	4,24	4,44
Final Energy Consumption	Thousand BOE	468.490	484.848	481.185	519.456	541.121	540.206	538.892	576.827	643.931
Final Energy Consumption per Capita	BOE / capita	2,28	2,32	2,27	2,41	2,48	2,47	2,43	2,56	2,82

	Growth (%)							
	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005	2005-2006	2006-2007	2007-2008
GDP at Constant Price 2000	3,83	4,38	4,72	5,03	5,69	5,50	6,28	6,06
GDP Nominal	21,19	10,63	8,07	14,01	20,84	20,37	18,50	20,74
GDP Nominal per Capita	19,56	8,88	6,43	12,66	20,28	18,57	16,69	19,22
Population	1,36	1,61	1,54	1,20	0,47	1,52	1,55	1,28
Number of Households	4,44	1,34	2,87	2,88	-5,38	1,49	0,84	1,28
Primary Energy Supply	6,27	3,56	7,41	1,59	2,72	0,08	6,53	6,14
Final Energy Consumption	4,85	1,92	5,77	0,38	2,25	-1,42	4,90	4,80
Final Energy Consumption per Capita	3,49	-0,76	7,95	4,17	-0,17	-0,24	7,04	11,63

BPS, Statistics Indonesia; Bank Indonesia;

Note: Final Energy and Primary Energy which are calculated is commercial energy (excluded biomass)

## 1.2 Macro Economic

Year	GDP Constant 2000 Prices							GDP Nominal (Current Prices)	Index GDP Deflator
	GDP	Private Consumption	Government Consumption	Fixed Capital Formation	Stock Change	Export of Goods and Services	Import of Goods and Services		
	Billion Rupiahs	Billion Rupiahs	Billion Rupiahs	Billion Rupiahs	Billion Rupiahs	Billion Rupiahs	Billion Rupiahs	Billion Rupiahs	(2000=100)
2000	1.389.770,3	856.798,3	90.779,7	275.881,2	33.282,8	569.490,3	423.317,9	1.389.769,9	100,00
2001	1.442.984,6	886.736,0	97.646,0	293.792,7	41.846,8	573.163,4	441.012,0	1.684.280,5	116,72
2002	1.506.124,4	920.749,6	110.333,6	307.584,6	13.085,0	566.188,4	422.271,4	1.863.274,7	123,71
2003	1.577.171,3	956.593,4	121.404,1	309.431,1	45.996,7	599.516,4	428.874,6	2.013.674,6	127,68
2004	1.656.516,8	1.004.109,0	126.248,6	354.865,8	25.099,0	680.620,9	543.183,8	2.295.826,2	138,59
2005	1.750.815,2	1.043.805,1	134.625,6	393.500,5	33.508,3	793.612,9	639.701,9	2.774.281,1	158,46
2006	1.847.126,7	1.076.928,1	147.563,7	403.161,9	29.026,7	868.256,4	694.605,4	3.339.479,6	180,79
2007	1.963.091,8	1.131.186,8	153.309,6	440.078,2	911,9	937.849,2	756.348,3	3.957.403,9	201,59
2008	2.082.103,7	1.191.190,7	169.297,2	493.222,5	3.865,0	1.031.866,1	832.820,3	4.778.163,7	229,49

Source : BPS, Statistics Indonesia

### 1.3 Finance and Banking

Year	Money Supply (M1)		
	Currency Outside	Demand Deposits	Total
	Billion Rupiah	Billion Rupiah	Billion Rupiah
2000	72.371	89.815	162.186
2001	76.342	101.389	177.731
2002	80.686	111.253	191.939
2003	94.542	129.257	223.799
2004	109.265	144.553	253.818
2005	124.316	157.589	281.905
2006	151.009	210.064	361.073
2007	183.419	277.423	460.842
2008	209.378	257.001	466.379

Source: Bank of Indonesia

## 1.4 Price Index

Year	Wholesale Price Index <sup>1)</sup>			Consumer Price Index of 66 Cities <sup>1)</sup>	Fuel Oil Price Index	Coal Price Index	Electricity Price Index
	Export	Import	General				
	2000 = 100			2007=100			
2000	100,00	100,00	100,00	53,47	100,00	100,00	100,00
2001	113,02	112,66	114,16	59,62	200,01	129,79	122,34
2002	108,00	112,00	118,00	66,66	206,39	142,89	189,44
2003	109,00	114,00	122,00	71,17	338,21	150,09	251,99
2004	121,00	127,00	131,00	75,49	333,72	150,04	269,01
2005	145,00	149,00	151,00	83,38	553,51	163,57	271,56
2006	154,00	162,00	172,00	94,31	699,86	218,36	273,78
2007	167,00	186,00	195,00	100,00	766,54	220,27	275,76
2008	209,00	235,00	246,00	109,78	1.078,33	318,12	283,60

Notes: 1) Processed from BPS, Statistics Indonesia; Bank Indonesia

## 1.5 Population and Employment

Year	Population	Labor Force	Household	Unemployment	Unemployment Percentage (toward labor force)	Average Wage		
						Industry	Hotel	Mining
	Thousand People	Thousand People	Thousand Household	Thousand People	(%)	Thousand Rupiahs Per Month		
2000	205.843	95.651	52.005	5.813	6,1	373	396	1.234
2001	208.647	98.812	54.314	8.005	8,1	541	575	1.227
2002	212.003	99.564	55.041	9.132	9,2	672	651	1.406
2003	215.276	100.316	56.623	9.531	9,5	713	581	2.117
2004	217.854	103.973	58.253	10.251	9,9	852	801	1.368
2005	218.869	105.802	55.119	10.854	10,3	870	788	2.114
2006	222.192	106.389	55.942	10.932	10,3	1.292	1.163	3.572
2007	225.642	109.941	56.411	10.011	9,1	1.786	1.702	5.617
2008	228.523	111.947	57.131	9.395	8,4	2.172	2.042	6.789

Source : BPS, Statistics Indonesia

## 1.6 International Trade

Year	Based on major Portion		Trade Index 2000=100		Balance Payment			Exchange Rate Rupiah to US \$	US \$ Deflator *)
	Export	Import	Export	Import	Current Transaction	Capital Transaction	Total		
	Million US\$				Million US\$				
2000	62.124	33.515	100	100	7.992	-7.896	96	9.595	1,0000
2001	56.321	30.962	91	92	6.901	-7.617	-716	10.400	1,0240
2002	57.159	31.289	92	93	7.824	-1.103	6.720	8.940	1,0419
2003	61.058	32.551	98	97	10.882	-949	9.933	8.465	1,0640
2004	71.585	46.525	115	139	1.564	1.852	3.415	9.290	1,0946
2005	85.660	57.701	138	172	278	345	623	9.830	1,1303
2006	100.799	61.066	162	182	10.860	3.025	13.884	9.020	1,1668
2007	114.101	74.473	184	222	10.493	3.591	14.083	9.419	1,1982
2008	197.020	129.107	317	385	300	-2.132	-1.833	10.950	1,2242

Source : BPS, Statistics Indonesia

Note: \*) Derived from World Economic Outlook Database, April 2008,IMF

## 1.7 Supply of Primary Energy

### 1.7.1 By Type

(%)

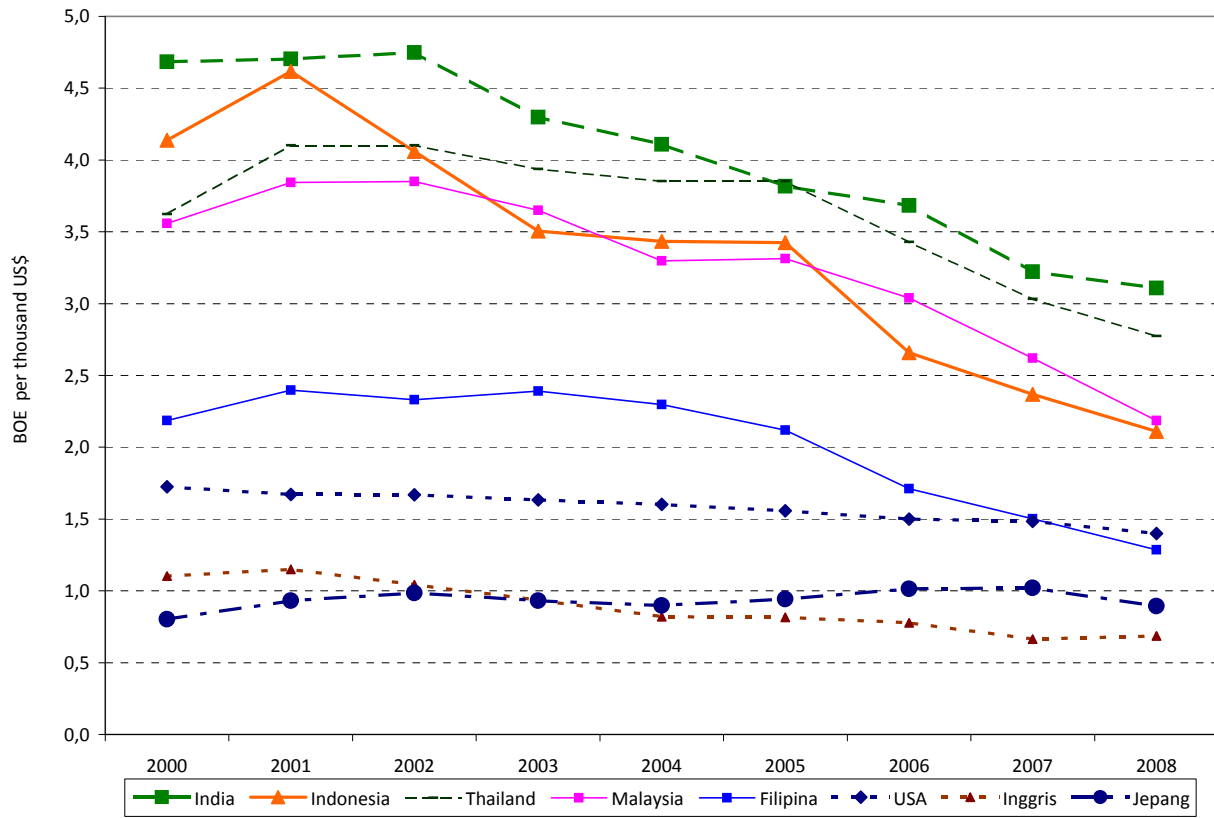
Type of Energy	2000	2001	2002	2003	2004	2005	2006	2007	2008
Crude Oil and Fuel Export/Import	43,52	42,42	42,32	40,37	43,52	42,32	39,14	38,51	37,01
Coal	9,42	11,44	11,48	14,58	13,24	14,89	17,54	20,97	26,24
Natural Gas and Export/Import (LPG & LNG)	16,54	16,53	17,65	18,05	16,39	16,39	16,75	14,92	15,71
Hydropower	2,54	2,82	2,34	2,03	2,13	2,32	2,07	2,31	2,36
Geothermal	0,96	0,96	0,96	0,92	0,97	0,94	0,95	0,93	1,09
Biomass	27,02	25,83	25,25	24,05	23,75	23,15	23,55	22,36	17,59

### 1.7.2 By Type (excluded Biomass)

(%)

Type of Energy	2000	2001	2002	2003	2004	2005	2006	2007	2008
Crude Oil and Fuel Export/Import	59,64	57,20	56,62	53,16	57,08	55,07	51,20	49,60	44,92
Coal	12,91	15,43	15,36	19,20	17,37	19,37	22,94	27,01	31,84
Natural Gas and Export/Import (LPG & LNG)	22,66	22,28	23,61	23,76	21,49	21,33	21,91	19,21	19,06
Hydropower	3,47	3,80	3,13	2,67	2,79	3,02	2,70	2,98	2,86
Geothermal	1,32	1,29	1,28	1,21	1,27	1,22	1,25	1,20	1,32

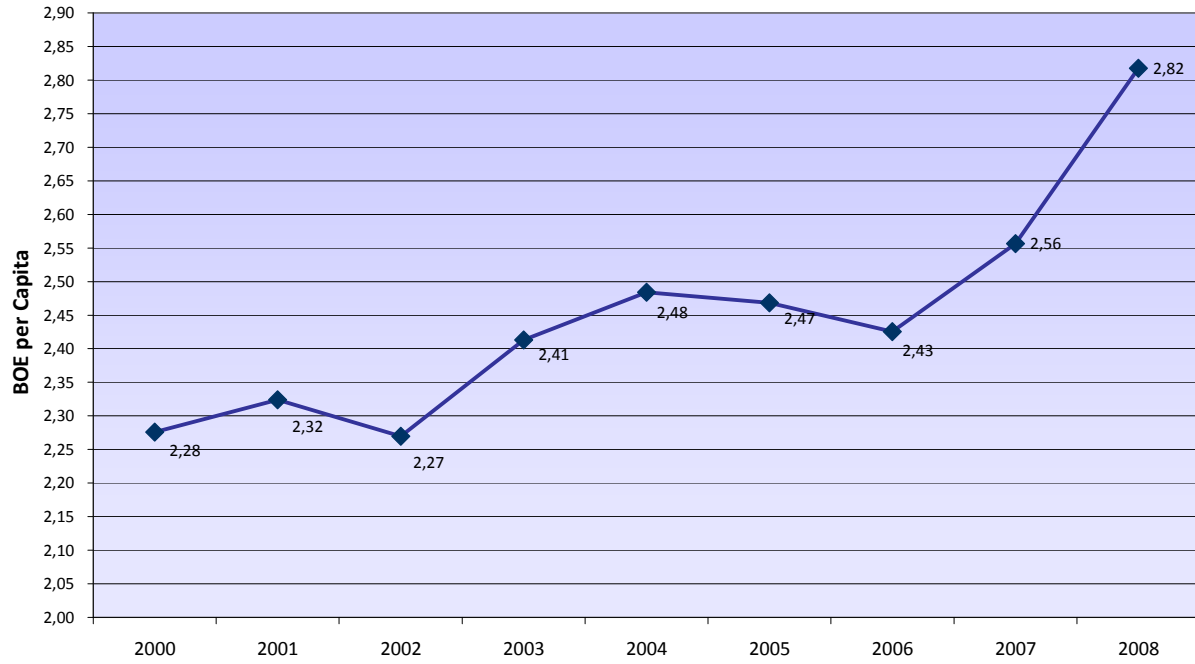
## 1.8 Comparison of Primary Energy Intensity in Some Country



Note: GDP Primary Energy Consumption using US\$ fix rate in year 2000



### 1.9 Intensity of Final Energy Consumption per Capita



## Indonesia Energy Balance Table 2008

(Thousand BOE)

	Hydro Power	Geothermal	Biomass	Coal	Briquette	Natural Gas	Crude Oil	Fuel	LPG	Other Petroleum Product	Electricity	LNG	Total
<b>1 Primary Energy Supply</b>	<b>29.060</b>	<b>13.424</b>	<b>277.962</b>	<b>322.934</b>	<b>-2</b>	<b>385.069</b>	<b>313.163</b>	<b>141.141</b>	<b>1.308</b>	<b>0</b>	<b>0</b>	<b>-191.717</b>	<b>1.292.342</b>
a. Production	29.060	13.424	277.962	961.800	0	444.238	357.501		0	0	0	0	2.083.985
b. Import	0	0		449	0	0	83.982	154.667	3.564	0	0	0	242.662
c. Export	0	0		-672.000	0	-59.169	-134.872	0	0	0	0	-191.717	-1.057.757
d. Stock Change	0	0		32.685	-2	0	6.553	-13.525	-2.257	0	0	0	23.453
<b>2 Energy Transformation</b>	<b>-29.060</b>	<b>-13.424</b>	<b>-88</b>	<b>-153.796</b>	<b>155</b>	<b>-278.501</b>	<b>-307.023</b>	<b>171.642</b>	<b>14.411</b>	<b>88.099</b>	<b>91.605</b>	<b>191.717</b>	<b>-222.022</b>
a. Refinery	0	0	0	0	0	-5.339	-307.023	248.243	6.650	88.099	0	0	30.630
b. LPG Plant	0	0	0	0	0	-2.370	0	0	7.761	0	0	0	5.391
c. LNG Plant	0	0	0	0	0	-228.245	0	0	0	0	0	191.717	-36.529
d. Coal Processing Plant	0	0	0	-181	155	0	0	0	0	0	0	0	-26
e. Power Plant	-29.060	-13.424	-88	-153.615	0	-42.547	0	-76.601	0	0	91.605	0	-221.489
- State Own Utility (PLN)	-27.073	-7.363	0	-88.198	0	-32.626	0	-74.941	0	0	72.363	0	-157.839
- Independent Power Producer (Non-PLN)	-1.987	-3.819	-88	-65.417	0	-9.920	0	-1.660	0	0	19.242	0	-63.650
<b>3 Own Use and Losses</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-6.700</b>	<b>-6.140</b>	<b>-593</b>	<b>0</b>	<b>0</b>	<b>-10.676</b>	<b>0</b>	
a. During Transformation	0	0	0	0	0	0	0	0	0	0	-3.107	0	-3.107
b. Transmission & Distribution	0	0	0	0	0	-6.700	-6.140	-593	0	0	-7.569	0	-21.003
<b>4 Final Energy Supply</b>	<b>0</b>	<b>0</b>	<b>277.874</b>	<b>169.138</b>	<b>153</b>	<b>99.868</b>	<b>0</b>	<b>312.190</b>	<b>15.719</b>	<b>88.099</b>	<b>80.928</b>	<b>0</b>	<b>1.070.320</b>
<b>5 Statistic Discrepancy</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8.411</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1.790</b>	<b>0</b>	<b>36.552</b>
<b>6 Final Energy Consumption</b>	<b>0</b>	<b>0</b>	<b>277.874</b>	<b>169.138</b>	<b>153</b>	<b>91.457</b>	<b>0</b>	<b>312.190</b>	<b>15.719</b>	<b>88.099</b>	<b>79.138</b>	<b>0</b>	<b>1.033.769</b>
a. Industry	0	0	44.235	169.138	153	66.981	0	48.856	1.919	0	29.405	0	360.688
b. Transportation	0	0	0	0	0	124	0	191.083	1	0	50	0	191.257
c. Household	0	0	232.244	0	0	131	0	40.096	13.799	0	30.763	0	317.033
d. Commercial	0	0	1.395	0	0	357	0	7.312	0	0	18.921	0	27.984
e. Other Sector	0	0	0	0	0	0	0	24.843	0	0	0	0	24.843
<b>7 Non Energy Use</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23.864</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>88.099</b>	<b>0</b>	<b>0</b>	<b>111.963</b>

### 3.1 Primary Energy Supply by Sources

(BOE)

Year	Coal	Crude Oil & Product	Natural Gas & Product	Hydro Power	Geothermal	Biomass	Total
2000	93.831.548	433.360.999	164.649.922	25.248.631	9.596.400	269.054.110	995.741.609
2001	119.125.379	441.731.352	172.083.907	29.380.607	9.960.940	268.970.034	1.041.252.219
2002	122.879.411	452.817.870	188.822.314	25.038.179	10.248.040	270.230.078	1.070.035.892
2003	164.950.173	456.647.707	204.142.054	22.937.538	10.375.200	272.005.374	1.131.058.046
2004	151.543.284	498.117.696	187.553.776	24.385.647	11.077.000	271.806.233	1.144.483.636
2005	173.673.093	493.636.985	191.189.376	27.034.841	10.910.460	270.042.895	1.166.487.651
2006	205.779.290	459.333.373	196.599.386	24.256.796	11.182.742	276.335.944	1.173.487.530
2007	258.174.000	474.042.813	183.623.636	28.450.964	11.421.759	275.199.938	1.230.913.109
2008	322.933.800	455.612.264	193.352.098	29.060.287	13.423.610	277.962.458	1.292.344.517

### 3.2 Final Energy Consumption by Type

(Thousand BOE)

Year	Biomass	Coal	Natural Gas	Fuel	Other Petroleum Product	Briquette	LPG	Electricity	Total
2000	269.042	36.060	87.214	315.272	13.435	85	8.261	48.555	777.925
2001	268.953	37.021	82.235	328.203	25.712	78	8.280	51.841	802.325
2002	270.207	38.698	80.885	325.202	22.688	83	8.744	53.418	799.926
2003	271.974	68.264	90.277	321.384	23.533	77	8.766	55.473	839.748
2004	271.765	55.344	85.459	354.317	37.716	80	9.187	61.393	875.261
2005	270.043	65.744	86.634	338.375	29.614	94	8.453	65.644	864.601
2006	276.271	89.043	83.221	311.913	40.922	94	9.414	69.071	879.949
2007	275.126	121.904	80.178	314.248	39.873	89	10.925	74.376	916.720
2008	277.874	169.138	91.457	312.190	88.099	153	15.719	79.138	1.033.769

### 3.3 Final Energy Consumption by Sector

#### 3.3.1 Energy Consumption (included Biomass)

(BOE)

Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008
Industrial	251.895.942	252.158.714	245.108.900	275.308.517	263.294.377	262.687.070	280.187.757	300.675.120	360.688.169
Households	296.573.110	301.347.223	303.032.794	309.046.165	314.114.684	313.772.025	312.715.871	319.333.000	317.032.982
Commercial	20.670.389	21.449.843	21.752.300	22.397.122	25.412.327	26.234.764	26.194.683	27.896.499	27.984.294
Transportation	139.178.658	148.259.584	151.498.823	156.232.909	178.374.391	178.452.407	170.127.492	179.135.822	191.257.453
Other	29.213.878	30.585.607	29.998.546	28.445.436	31.689.809	29.102.166	25.936.873	24.912.051	24.842.951
Final Energy Consumption	737.531.977	753.800.971	751.391.363	791.430.149	812.885.588	810.248.432	815.162.676	851.952.492	921.805.849
Non Energy Utilization	40.393.109	48.524.092	48.534.290	48.317.775	62.375.806	54.352.435	64.786.077	64.759.190	111.963.006

#### 3.3.2 Commercial Energy Consumption (Excluded Biomass)

(BOE)

Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008
Industrial	192.914.655	196.972.955	192.803.789	225.141.109	216.377.677	218.766.597	233.511.599	258.567.087	316.452.732
Households	87.963.563	89.023.979	86.568.222	88.669.268	90.689.214	89.065.250	84.529.554	87.716.652	84.788.576
Commercial	19.218.814	20.005.525	20.315.203	20.967.212	23.989.565	24.819.117	24.786.114	26.494.973	26.589.775
Transportation	139.178.658	148.259.584	151.498.823	156.232.909	178.374.391	178.452.407	170.127.492	179.135.822	191.257.453
Other	29.213.878	30.585.607	29.998.546	28.445.436	31.689.809	29.102.166	25.936.873	24.912.051	24.842.951
Final Energy Consumption	468.489.567	484.847.650	481.184.583	519.455.933	541.120.657	540.205.537	538.891.632	576.826.585	643.931.487
Non Energy Utilization	40.393.109	48.524.092	48.534.290	48.317.775	62.375.806	54.352.435	64.786.077	64.759.190	111.963.006

### 3.4 Share of Final Energy Consumption by sector

(%)

Year	Industry	Household	Commercial	Transportation	Other
2000	41,18	18,78	4,10	29,71	6,24
2001	40,63	18,36	4,13	30,58	6,31
2002	40,07	17,99	4,22	31,48	6,23
2003	43,34	17,07	4,04	30,08	5,48
2004	39,99	16,76	4,43	32,96	5,86
2005	40,50	16,49	4,59	33,03	5,39
2006	43,33	15,69	4,60	31,57	4,81
2007	44,83	15,21	4,59	31,06	4,32
2008	49,14	13,17	4,13	29,70	3,86

Note; Commercial Energy (excluded biomass)

### 3.5 Share of Final Energy Consumption by Type

(%)

Year	Coal	Natural Gas	Fuel	LPG	Electricity
2000	7,3	17,6	63,6	1,7	9,8
2001	7,3	16,2	64,7	1,6	10,2
2002	7,6	16,0	64,1	1,7	10,5
2003	12,6	16,6	59,1	1,6	10,2
2004	9,8	15,1	62,6	1,6	10,9
2005	11,7	15,3	59,9	1,5	11,6
2006	15,8	14,8	55,4	1,7	12,3
2007	20,3	13,3	52,2	1,8	12,4
2008	25,4	13,7	46,7	2,4	11,9

## 4.1 Crude Oil Price

(US\$ per Barrel)

Crude Oil Type	2000	2001	2002	2003	2004	2005	2006	2007	2008
SLC	28,53	23,99	25,11	29,04	36,30	53,92	64,24	72,94	99,90
Arjuna	28,65	24,29	24,35	28,81	36,90	55,07	65,52	72,38	97,61
Arun Condensate	28,92	24,40	24,65	29,16	37,40	54,62	64,85	72,94	94,27
Attaka	29,09	24,75	24,89	29,41	37,60	57,51	67,59	75,69	101,03
Cinta	27,83	23,15	24,08	28,09	35,00	51,81	61,77	70,33	94,58
Duri	27,09	22,02	23,30	27,11	30,40	46,62	54,93	59,89	84,57
Handil Mix	n/a	24,42	24,48	28,96	37,10	55,23	65,67	72,53	97,77
Lalang	n/a	24,04	25,16	29,09	36,40	53,13	64,29	72,99	99,95
Widuri	27,87	23,10	24,08	28,05	35,00	51,19	61,94	70,41	94,98
Belida	29,07	24,74	24,74	29,19	37,30	56,54	67,56	75,71	101,05
Senipah Condensate	29,05	24,40	24,65	29,17	39,95	54,62	65,57	73,03	94,27
Average	28,39	21,94	22,46	26,34	36,39	53,66	64,27	72,31	96,13

Source : Oil and Gas Statistics, Directorate General of Oil and Gas



## 4.2 International Gas Price

(US \$ /MMBTU)

Year	LNG	Natural Gas			
	CIF on Japan	CIF on Uni Eropa	UK (Heren NBP Index)	USA (Henry Hub)	Canada (Alberta)
2000	4,72	3,25	2,71	4,23	3,75
2001	4,64	4,15	3,17	4,07	3,61
2002	4,27	3,46	2,37	3,33	2,57
2003	4,77	4,40	3,33	5,63	4,83
2004	5,18	4,56	4,46	5,85	5,03
2005	6,05	5,95	7,38	8,79	7,25
2006	7,14	8,69	7,87	6,76	5,83
2007	7,73	8,93	6,01	6,95	6,17
2008	12,55	12,61	10,79	8,85	7,99

Source : BP Statistical Review of World Energy, 2008

### 4.3 Average Price of LPG, LNG and Coal FOB Export

Year	LPG	LNG	Coal
	US \$ / Thousand Tons	US \$ / MMBTU	US\$ / Ton
2000	294,86	4,82	29,60
2001	252,97	4,31	32,07
2002	246,41	4,45	29,98
2003	278,42	4,84	28,63
2004	332,52	6,00	43,00
2005	443,02	7,19	36,48
2006	479,82	8,49	42,35
2007	624,40	9,04	41,79
2008	785,94	11,97	65,51

#### 4.4 Average Price of Coal Import

Year	Import Total	Import Value (CIF) *)	Import Price (CIF)
	Ton	US \$	US \$/Ton
2000	140.116	5.837.447	41,66
2001	30.466	2.004.976	65,81
2002	20.026	1.627.954	81,29
2003	38.228	5.732.026	149,94
2004	97.183	15.204.824	156,46
2005	98.179	12.891.514	131,31
2006	110.683	13.455.025	121,56
2007	67.534	8.880.440	131,50
2008	106.931	23.549.197	220,23

Source : \*) Department of Trade

## 4.5 Energy Price per Energy Unit

Year	Gasoline (Premium)		Avtur		Avgas		Kerosene	
	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE
2000	178.035	18,55	179.945	18,75	306.141	31,91	50.191	5,23
2001	225.368	21,67	332.728	31,99	884.207	85,02	63.640	6,12
2002	248.820	27,83	354.797	39,69	766.613	85,75	67.483	7,55
2003	313.707	37,06	601.287	71,03	1.150.909	135,96	309.087	36,51
2004	310.596	33,43	580.746	62,51	1.118.885	120,44	303.674	32,69
2005	492.028	50,05	806.228	82,02	2.067.906	210,37	398.713	40,56
2006	772.201	85,61	974.757	108,07	2.423.480	268,68	337.416	37,41
2007	772.201	81,98	1.048.206	111,29	2.849.871	302,57	337.416	35,82
2008	911.626	83,25	1.561.727	142,62	4.246.083	387,77	386.623	35,31

Year	Coal		Electricity (Average)					
			Household		Industry		Commercial	
	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE
2000	35.961	3,75	338.238	35,25	493.507	51,43	620.734	64,69
2001	46.673	4,49	413.785	39,79	590.000	56,73	737.210	70,89
2002	51.384	5,75	640.767	71,67	722.577	80,83	966.998	108,17
2003	53.973	6,38	852.333	100,69	865.122	102,20	1.078.972	127,46
2004	53.956	5,81	909.886	97,94	912.153	98,19	1.113.083	119,82
2005	58.820	5,98	918.515	93,44	929.641	94,57	1.133.295	115,29
2006	78.523	8,71	926.020	102,66	1.013.442	112,35	1.092.023	121,07
2007	79.212	8,41	932.724	99,03	1.013.573	107,61	1.260.212	133,79
2008	114.397	10,45	959.231	87,60	1.014.741	92,67	1.387.403	126,70

Note: \*) Based on Current Price

ADO		IDO		Fuel Oil		LPG		Average of Refinery Product	
Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE	Rp/BOE	US\$/BOE
86.711	9,04	77.560	8,08	52.074	5,43	246	0,026	116.363	12,13
117.669	11,31	139.292	13,39	98.702	9,49	246	0,024	232.732	22,38
138.737	15,52	194.215	21,72	150.357	16,82	282	0,031	240.163	26,86
260.228	30,74	289.935	34,25	222.902	26,33	334	0,039	393.549	46,49
254.351	27,38	310.239	33,39	227.810	24,52	352	0,038	388.332	41,80
406.962	41,40	585.398	59,55	394.879	40,17	499	0,051	644.077	65,52
662.854	73,49	829.863	92,00	513.974	56,98	499	0,055	814.380	90,29
662.854	70,37	887.504	94,22	577.206	61,28	499	0,053	891.970	94,70
766.264	69,98	1.311.550	119,78	853.622	77,96	663	0,061	1.254.770	114,59

### 5.1.1 Energy Consumption in Industrial Sector

(in Original Unit)

Year	Biomass	Coal	Briquette	Gas	Fuel					LPG	Electricity
					Kerosene	ADO	IDO	Fuel Oil	Total Fuel		
	Thousand Ton			MMSCF	Kilo Liter					Thousand Ton	GWh
2000	25.667	8.586	24	483.438	711.774	5.729.941	1.211.930	3.674.761	11.328.406	126	34.013
2001	24.016	8.815	22	455.798	701.791	6.082.584	1.170.511	3.832.704	11.787.590	114	35.593
2002	22.762	9.214	23	448.261	667.247	5.985.416	1.106.467	3.676.959	11.436.088	128	36.831
2003	21.832	16.253	22	500.622	671.513	5.764.971	962.232	2.981.697	10.380.414	95	36.497
2004	20.417	13.177	23	473.695	676.827	6.626.385	887.061	3.140.129	11.330.403	129	40.324
2005	19.113	15.653	26	480.382	649.626	6.155.112	732.888	2.243.407	9.781.033	133	42.448
2006	20.313	21.201	27	461.277	572.676	5.399.470	397.599	2.320.623	8.690.367	170	43.615
2007	18.325	29.025	25	443.889	565.550	5.208.388	215.233	1.990.450	7.979.620	146	45.803
2008	19.250	38.023	44	505.817	451.457	5.452.504	128.424	1.430.903	7.463.288	132	47.969

## 5.1.2 Energy Consumption in Industrial Sector

(in Energy Unit)

(Thousand BOE)

Year	Biomass	Coal	Briquette	Gas	Fuel					LPG	Electricity	Total
					Kerosene	ADO	IDO	Fuel Oil	Total Fuel			
2000	58.981	36.060	85	86.826	4.219	37.171	8.008	25.581	74.979	1.073	20.850	278.854
2001	55.186	37.021	78	81.861	4.160	39.458	7.735	26.680	78.033	972	21.819	274.970
2002	52.305	38.698	83	80.508	3.955	38.828	7.311	25.596	75.690	1.093	22.578	270.955
2003	50.167	68.264	77	89.912	3.980	37.398	6.358	20.756	68.493	808	22.373	300.093
2004	46.917	55.344	80	85.076	4.012	42.986	5.862	21.859	74.718	1.101	24.719	287.954
2005	43.920	65.744	94	86.277	3.851	39.929	4.843	15.617	64.239	1.131	26.021	287.426
2006	46.676	89.043	94	82.845	3.394	35.027	2.627	16.154	57.203	1.453	26.736	304.052
2007	42.108	121.904	89	79.723	3.352	33.787	1.422	13.856	52.418	1.242	28.077	325.561
2008	44.235	159.696	157	90.845	2.676	35.371	849	9.961	48.856	1.124	29.405	374.319

### 5.1.3 Share of Energy Consumption in Industrial Sector

(%)

Year	Coal	Briquette	Gas	Fuel				LPG	Electricity
				Kerosene	ADO	IDO	Fuel Oil		
2000	16,40	0,04	39,49	1,92	16,91	3,64	11,63	0,49	9,48
2001	16,84	0,04	37,25	1,89	17,95	3,52	12,14	0,44	9,93
2002	17,70	0,04	36,82	1,81	17,76	3,34	11,71	0,50	10,33
2003	27,31	0,03	35,98	1,59	14,96	2,54	8,30	0,32	8,95
2004	22,96	0,03	35,30	1,66	17,83	2,43	9,07	0,46	10,26
2005	27,00	0,04	35,43	1,58	16,40	1,99	6,41	0,46	10,69
2006	34,60	0,04	32,19	1,32	13,61	1,02	6,28	0,56	10,39
2007	43,01	0,03	28,13	1,18	11,92	0,50	4,89	0,44	9,91
2008	48,38	0,05	27,52	0,81	10,72	0,26	3,02	0,34	8,91



## 5.2.1 Energy Consumption in Household Sector

(in Original Unit)

Year	Biomass	Gas	Kerosene	LPG	Electricity
	Thousand Ton	MMSCF	Kilo Liter	Thousand Ton	GWh
2000	90.783	449	10.665.049	696	30.563
2001	92.399	487	10.515.453	724	33.340
2002	94.201	535	9.997.862	748	33.994
2003	95.904	553	10.061.787	823	35.753
2004	97.230	691	10.141.412	798	38.588
2005	97.788	693	9.733.831	704	41.184
2006	99.302	711	8.580.829	788	43.753
2007	100.795	737	8.474.054	979	47.325
2008	101.068	729	6.764.522	1.592	50.184

## 5.2.2 Energy Consumption in Household Sector

(in Energy Unit)

(Thousand BOE)

Year	Biomass	Gas	Kerosene	LPG	Electricity	Total
2000	208.610	81	63.216	5.932	18.735	296.573
2001	212.323	87	62.329	6.170	20.437	301.347
2002	216.465	96	59.261	6.373	20.838	303.033
2003	220.377	99	59.640	7.013	21.917	309.046
2004	223.425	124	60.112	6.798	23.655	314.115
2005	224.707	124	57.696	5.998	25.246	313.772
2006	228.186	128	50.862	6.719	26.821	312.716
2007	231.616	132	50.229	8.345	29.010	319.333
2008	232.244	131	40.096	13.568	30.763	316.802

### 5.2.3 Share of Energy Consumption in Household

(%)

Year	Gas	Kerosene	LPG	Electricity
2000	0,092	71,866	6,743	21,299
2001	0,098	70,014	6,931	22,957
2002	0,111	68,456	7,362	24,071
2003	0,112	67,261	7,909	24,717
2004	0,137	66,284	7,496	26,083
2005	0,140	64,780	6,735	28,345
2006	0,151	60,171	7,949	31,729
2007	0,151	57,263	9,514	33,073
2008	0,155	47,418	16,046	36,381

### 5.3.1 energy Consumption in Commercial Sector

(in Original Unit)

Year	Biomass	Gas	Fuel				LPG	Electricity
			Kerosene	ADO	IDO	Total		
	Thousand Ton	MMSCF	Kilo Liter				Thousand Ton	GWh
2000	632	745	588.919	825.064	6.503	1.420.486	147	14.588
2001	629	821	580.658	875.842	6.281	1.462.781	134	15.587
2002	625	913	552.077	861.851	5.937	1.419.865	150	16.264
2003	622	882	555.607	830.108	5.163	1.390.878	111	18.191
2004	619	972	560.004	954.145	4.760	1.518.909	151	21.185
2005	616	1.057	537.497	886.286	3.933	1.427.715	155	23.400
2006	613	1.145	473.829	777.479	2.134	1.253.442	146	25.241
2007	610	1.526	467.933	749.965	1.155	1.219.053	157	28.119
2008	607	1.989	373.533	785.116	689	1.159.338	120	30.866

### 5.3.2 Energy Consumption in commercial Sector

(in Energy Unit)

(Thousand BOE)

Year	Biomass	Gas	Fuel				LPG	Electricity	Total
			Kerosene	ADO	IDO	Total Fuel			
2000	1.452	134	3.491	5.352	43	8.886	1.257	8.943	20.670
2001	1.444	147	3.442	5.682	42	9.165	1.138	9.555	21.450
2002	1.437	164	3.272	5.591	39	8.903	1.279	9.970	21.752
2003	1.430	158	3.293	5.385	34	8.712	946	11.151	22.397
2004	1.423	174	3.319	6.190	31	9.540	1.288	12.986	25.412
2005	1.416	190	3.186	5.749	26	8.961	1.324	14.344	26.235
2006	1.409	206	2.809	5.044	14	7.866	1.241	15.473	26.195
2007	1.402	274	2.774	4.865	8	7.646	1.337	17.237	27.896
2008	1.395	357	2.214	5.093	5	7.312	1.025	18.921	29.010

### 5.3.3 Share of Energy Consumption in Commercial Sector

(%)

Year	Gas	Fuel			LPG	Electricity
		Kerosene	ADO	IDO		
2000	0,696	18,163	27,849	0,224	6,538	46,530
2001	0,737	17,204	28,401	0,207	5,689	47,762
2002	0,807	16,108	27,521	0,193	6,296	49,075
2003	0,755	15,707	25,683	0,163	4,510	53,182
2004	0,727	13,837	25,801	0,131	5,370	54,133
2005	0,765	12,837	23,165	0,105	5,334	57,794
2006	0,829	11,331	20,348	0,057	5,008	62,426
2007	1,034	10,468	18,362	0,029	5,048	65,058
2008	1,294	8,018	18,443	0,016	3,713	68,516

### 5.4.1 Energy Consumption in Transportation Sector

(in Original Unit)

Year	Gas	Fuel							
		Avgas	Avtur	Premium	Bio Premium	Pertamax	Bio Pertamina	Pertamax Plus	Bio Solar
	MMSCF	Kilo Liter							
2000	968	3.550	1.202.717	12.059.026	0	0	0	0	0
2001	773	3.430	1.473.503	12.705.861	0	0	0	0	0
2002	654	3.488	1.597.291	13.323.304	0	0	0	0	0
2003	599	3.556	1.929.351	13.746.726	0	371.238	0	107.441	0
2004	471	3.416	2.437.923	15.337.655	0	487.562	0	121.866	0
2005	238	3.070	2.322.634	16.621.765	0	248.875	0	99.326	0
2006	233	3.390	2.428.078	15.941.837	1.624	505.730	16	128.289	217.048
2007	273	2.163	2.520.040	16.962.198	55.970	472.284	9.956	158.070	877.457
2008	691	2.003	2.635.670	18.653.344	44.016	297.982	16.200	114.789	929.393

Fuel					Electricity
Kerosene	ADO	IDO	Fuel Oil	Total Fuel	
Kilo Liter					GWh
4.708	9.365.388	48.356	71.474	22.755.220	44
4.642	9.941.771	46.704	74.546	24.250.457	49
4.414	9.782.952	44.148	71.517	24.827.114	53
4.442	9.422.642	38.393	57.994	25.681.783	53
4.477	10.830.594	35.394	61.075	29.319.962	55
4.297	10.060.316	29.242	43.634	29.433.160	55
3.788	8.826.588	15.864	45.136	28.117.389	67
3.741	8.514.215	8.588	38.714	29.623.396	85
2.986	8.911.926	5.124	27.831	31.641.264	81



## 5.4.2 Energy Consumption in Transportation Sector

(in Energy Unit)

Year	Gas	Fuel							
		Avgas	Avtur	Premium	Bio Premium	Pertamax	Bio Pertamax	Pertamax Plus	Bio Solar
2000	174	20	7.085	70.274	0	0	0	0	0
2001	139	19	8.680	74.043	0	0	0	0	0
2002	118	19	9.409	77.642	0	0	0	0	0
2003	108	20	11.365	80.109	0	2.163	0	626	0
2004	85	19	14.361	89.380	0	2.841	0	710	0
2005	43	17	13.682	96.863	0	1.450	0	579	0
2006	42	19	14.303	92.901	9	2.947	0	748	1.408
2007	49	12	14.845	98.847	326	2.752	58	921	5.692
2008	124	11	15.526	108.702	257	1.736	94	669	6.029

(Ribu SBM)

Fuel					Electricity	Total
Kerosene	ADO	IDO	Fuel Oil	Total Fuel		
28	60.754	320	498	138.978	27	139.179
28	64.493	309	519	148.091	30	148.260
26	63.463	292	498	151.349	33	151.499
26	61.126	254	404	156.093	33	156.233
27	70.259	234	425	178.256	34	178.374
25	65.262	193	304	178.376	34	178.452
22	57.259	105	314	170.036	41	170.119
22	55.233	57	269	179.035	52	179.136
18	57.813	34	194	191.083	50	191.257

### 5.4.3 Share of Energy Consumption in Transportation Sector

Year	Gas	Fuel							
		Avgas	Avtur	Premium	Bio Premium	Pertamax	Bio Pertamax	Pertamax Plus	Bio Solar
2000	0,125	0,014	5,09	50,49	0,000	0,000	0,000	0,000	0,000
2001	0,094	0,013	5,85	49,94	0,000	0,000	0,000	0,000	0,000
2002	0,078	0,013	6,21	51,25	0,000	0,000	0,000	0,000	0,000
2003	0,069	0,013	7,27	51,28	0,000	1,385	0,000	0,401	0,000
2004	0,047	0,011	8,05	50,11	0,000	1,593	0,000	0,398	0,000
2005	0,024	0,010	7,67	54,28	0,000	0,813	0,000	0,324	0,000
2006	0,025	0,011	8,41	54,61	0,006	1,732	0,000	0,439	0,828
2007	0,027	0,007	8,29	55,18	0,182	1,536	0,032	0,514	3,178
2008	0,065	0,006	8,12	56,84	0,134	0,908	0,049	0,350	3,152

(%)

Fuel					Electricity
Kerosene	ADO	IDO	Fuel Oil	Total Fuel	
0,020	43,65	0,23	0,36	99,86	0,02
0,019	43,50	0,21	0,35	99,89	0,02
0,017	41,89	0,19	0,33	99,90	0,02
0,017	39,12	0,16	0,26	99,91	0,02
0,015	39,39	0,13	0,24	99,93	0,02
0,014	36,57	0,11	0,17	99,96	0,02
0,013	33,66	0,06	0,18	99,95	0,02
0,012	30,83	0,03	0,15	99,94	0,03
0,009	30,23	0,02	0,10	99,91	0,03

### 5.5.1 Energy Consumption in Others Sector

(in Original Unit)

Year	Mogas	Kerosene	ADO	IDO	Fuel Oil	Total Fuel
	Kilo Liter					
2000	370.265	487.325	2.906.942	181.019	590.966	4.536.516
2001	390.125	480.490	3.085.847	174.832	616.365	4.747.660
2002	409.084	456.839	3.036.551	165.266	591.319	4.659.059
2003	422.084	459.760	2.924.714	143.723	479.509	4.429.790
2004	470.933	463.398	3.361.731	132.495	504.987	4.933.544
2005	510.361	444.774	3.122.642	109.467	360.779	4.548.023
2006	489.484	392.089	2.739.286	59.387	373.197	4.053.443
2007	520.813	387.211	2.642.345	32.148	320.099	3.902.616
2008	572.739	309.096	2.766.191	19.182	230.114	3.897.322

## 5.5.2 Energy Consumption in Others Sector

(in Energy Unit)

(Thousand BOE)

Year	Mogas	Kerosene	ADO	IDO	Fuel Oil	Total Fuel
2000	2.158	2.889	18.858	1.196	4.114	29.214
2001	2.273	2.848	20.018	1.155	4.291	30.586
2002	2.384	2.708	19.698	1.092	4.116	29.999
2003	2.460	2.725	18.973	950	3.338	28.445
2004	2.744	2.747	21.808	875	3.515	31.690
2005	2.974	2.636	20.257	723	2.511	29.102
2006	2.852	2.324	17.770	392	2.598	25.937
2007	3.035	2.295	17.141	212	2.228	24.912
2008	3.338	1.832	17.945	127	1.602	24.843

### 5.5.3 Share of Energy Consumption in Others Sector

(%)

Year	Mogas	Kerosene	ADO	IDO	Fuel Oil
2000	7,39	9,89	64,55	4,09	14,08
2001	7,43	9,31	65,45	3,78	14,03
2002	7,95	9,03	65,66	3,64	13,72
2003	8,65	9,58	66,70	3,34	11,73
2004	8,66	8,67	68,82	2,76	11,09
2005	10,22	9,06	69,61	2,49	8,63
2006	11,00	8,96	68,51	1,51	10,02
2007	12,18	9,21	68,81	0,85	8,94
2008	13,43	7,37	72,23	0,51	6,45

**6.1.1 Coal Reserves**  
per 1 January 2009

(Million Ton)

Province	Resources					Reserves
	Hypothetic	Inferred	Indicated	Measured	Total	
Banten	5,47	5,75	0,00	2,09	13,31	0,00
West Java	0,00	0,00	0,00	0,00	0,00	0,00
Central Java	0,00	0,82	0,00	0,00	0,82	0,00
East Java	0,00	0,08	0,00	0,00	0,08	0,00
Nanggroe Aceh Darussalam	0,00	346,35	13,40	90,40	450,15	0,00
North Sumatera	0,00	7,00	0,00	19,97	26,97	0,00
Riau	12,79	467,89	6,04	1.280,82	1.767,54	1.940,37
West Sumatera	24,95	475,94	42,72	188,55	732,16	36,75
Bengkulu	15,15	113,09	8,11	62,30	198,65	21,12
Jambi	190,84	1.462,03	243,00	173,20	2.069,07	9,00
South Sumatera	19.909,99	10.970,04	10.321,10	5.883,94	47.085,08	9.542,01
Lampung	0,00	106,95	0,00	0,00	106,95	0,00
West Kalimantan	42,12	482,60	1,32	1,48	527,52	0,00
Central Kalimantan	122,72	974,40	17,33	471,89	1.586,34	74,28
South Kalimantan	0,00	5.525,16	362,59	6.377,81	12.265,56	3.523,24
East Kalimantan	14.206,97	10.995,62	4.689,37	7.646,03	37.537,98	3.633,04
South Sulawesi	0,00	144,94	33,09	53,09	231,12	0,12
Central Sulawesi	0,00	1,98	0,00	0,00	1,98	0,00
North Maluku	2,13	0,00	0,00	0,00	2,13	0,00
West Irian Jaya	89,40	61,86	0,00	0,00	151,26	0,00
Papua	0,00	2,16	0,00	0,00	2,16	0,00
<b>TOTAL</b>	<b>34.622,53</b>	<b>32.144,66</b>	<b>15.738,07</b>	<b>22.251,57</b>	<b>104.756,84</b>	<b>18.779,93</b>

Source : Agency Geology



## 6.1.2 Coal Supply

(Ton)

Year	Production			Export	Import
	Steam Coal	Antracite	Total		
2000	77.014.956	25.229	77.040.185	58.460.492	140.116,33
2001	92.499.653	40.807	92.540.460	65.281.086	30.465,88
2002	103.286.403	42.690	103.329.093	74.177.926	20.025,90
2003	114.274.048	3.952	114.278.000	85.680.621	38.228,31
2004	132.352.025	0	132.352.025	93.758.806	97.182,68
2005	152.722.438	0	152.722.438	110.789.700	98.178,91
2006	193.761.311	0	193.761.311	143.632.865	110.682,84
2007	216.930.000	0	216.930.000	159.875.000	67.533,92
2008	229.000.000	0	229.000.000	160.000.000	106.930,88

Sources : Directorate General of Mineral, Coal and Geothermal  
Dept of Trade

### 6.1.3 Indonesia Coal Export by Destination

(Thousand Ton)

Year	Coal						Total
	Japan	Taiwan	Other Asian	Europe	Pacific	Others	
2000	13.177,44	13.519,59	19.819,47	8.861,56	1.876,11	1.206,32	58.460,49
2001	15.216,26	11.506,81	20.440,57	10.226,65	2.160,83	5.729,97	65.281,09
2002	16.529,76	13.099,99	30.605,89	9.294,60	2.555,17	1.450,95	73.536,35
2003	17.992,18	14.144,14	34.021,52	12.786,77	3.118,10	3.617,91	85.680,62
2004	19.013,41	16.677,88	34.686,66	11.987,43	3.583,98	7.809,44	93.758,81
2005	24.237,43	14.524,21	41.393,85	14.824,32	3.927,70	11.882,19	110.789,70
2006	23.128,07	17.070,46	49.589,54	21.004,55	5.263,14	27.577,11	143.632,86
2007	24.323,13	18.112,19	63.358,47	15.838,97	4.597,91	33.644,34	159.875,00
2008	26.947,65	14.887,12	70.605,72	19.206,79	2.963,99	25.388,73	160.000,00

Source : Directorate General of Mineral, Coal and Geothermal

## 6.1.4 Coal Sales

(Ton)

Year	Total	Iron & Steel	Power Plant	Ceramic & Cement	Pulp & Paper	Briquette	Others
2000	22.340.845	30.893	13.718.285	2.228.583	780.676	36.799	5.545.609
2001	27.387.916	220.666	19.517.366	5.142.737	822.818	31.265	2.628.333
2002	29.257.003	236.802	20.018.456	4.684.970	499.585	24.708	3.792.481
2003	39.273.851	201.907	22.995.614	4.773.621	1.704.498	24.976	9.573.234
2004	36.081.734	119.181	22.882.190	5.549.309	1.160.909	22.436	6.347.709
2005	41.350.736	221.309	25.669.226	5.152.162	1.188.323	28.216	9.091.501
2006	48.995.069	299.990	27.758.317	5.300.552	1.216.384	36.018	14.383.808
2007	61.470.000	282.730	32.420.000	6.443.864	1.526.095	25.120	20.772.192
2008	69.106.931	317.856	31.041.000	6.842.403	1.251.000	43.000	29.611.672

Source : Directorate General of Mineral, Coal and Geothermal

## 6.2.1 Oil Reserves

*per January 2009*

(Billion Barrel)

Year	Proven	Potential	Total
2000	5,12	4,49	9,61
2001	5,10	4,65	9,75
2002	4,72	5,03	9,75
2003	4,73	4,40	9,13
2004	4,30	4,31	8,61
2005	4,19	4,44	8,63
2006	4,37	4,56	8,93
2007	3,99	4,41	8,40
2008	3,75	4,47	8,22

Source : Directorate General of Oil and Gas

## 6.2.2 Refinery Capacity in 2008

(MBSD)

Refinery	Refinery Capacity
Pangkalan Brandan	0,00
Dumai	120,00
Sungai Pakning	50,00
Musi	135,20
Cilacap	348,00
Balikpapan	260,00
Balongan	125,00
Cepu	3,80
Kasim	10,00
Tuban (TPPI)	100,00
Total	1.152,00

Source : Directorate General of Oil and Gas

## 6.2.3 Domestic Oil Fuels Sales

(Kilo Liter)

	2000	2001	2002	2003	2004	2005	2006	2007	2008
Avgas	3.550	3.430	3.488	3.556	3.416	3.070	3.390	2.163	2.003
Avtur	1.202.717	1.473.503	1.597.291	1.929.351	2.437.923	2.322.634	2.428.078	2.520.040	2.635.670
Premium	11.877.659	12.538.350	13.263.285	14.150.246	15.808.588	17.132.126	16.431.321	17.483.011	19.226.083
Kerosene	12.457.776	12.283.033	11.678.439	11.753.109	11.846.119	11.370.026	10.023.211	9.898.488	7.901.595
ADO	22.072.256	23.359.617	24.212.847	24.064.458	26.487.751	27.056.409	25.164.947	24.780.885	26.070.041
IDO	1.472.168	1.426.877	1.360.379	1.183.478	1.093.414	891.785	497.819	269.466	180.997
Fuel Oil	6.076.212	6.162.485	6.260.273	6.215.566	5.754.507	4.802.535	4.820.184	5.136.408	4.969.526
Premix (94)	389.334	396.631	364.006	14.972	0	0	0	0	0
Super TT	55.418	86.217	102.882	3.592	0	0	0	0	0
BB2L	106.880	74.788	2.215	0	0	0	0	0	0
Pertamax Plus	0	0	0	107.441	121.866	99.326	128.289	158.070	114.789
Pertamax	0	0	0	371.238	487.562	248.875	505.730	472.284	297.982
Bio Premium	0	0	0	0	0	0	1.624	55.970	44.016
Bio Pertamax	0	0	0	0	0	0	16	9.956	16.200
Bio Solar	0	0	0	0	0	0	217.048	877.457	929.393
<b>Total Fuel</b>	<b>55.713.970</b>	<b>57.804.931</b>	<b>58.845.105</b>	<b>59.797.007</b>	<b>64.041.146</b>	<b>63.926.786</b>	<b>60.221.657</b>	<b>61.664.198</b>	<b>62.388.295</b>

Sources : Directorate General of Oil and Gas

## 6.2.4 Crude Oil Supply and Demand

Year	Production	Export	Import	Oil Refinery Input	
	Thousand bbl	Thousand bbl	Thousand bbl	Thousand bbl	Thousand bpd
2000	517.489	223.500	78.615	360.232	986,9
2001	489.306	241.612	117.168	361.396	990,1
2002	456.026	218.115	124.148	357.971	980,7
2003	419.255	189.095	137.127	358.519	982,2
2004	400.554	178.869	148.490	366.033	1.002,8
2005	386.483	159.703	164.007	357.656	979,9
2006	367.049	134.960	116.232	333.136	912,7
2007	348.348	135.267	115.812	330.027	904,2
2008	357.501	134.872	83.982	307.023	841,2

Source : Directorate General of Oil and Gas

Note: Oil Refinery Input consist of crude oil, condensate and others

## 6.2.5 Crude Oil Refinery Production

(Thousand KL)

Year	Premium *)	Avtur + JP5	Avgas	Kerosene	ADO	IDO	Fuel Oil	Pertamax Plus	Pertamax	Pertadex	Total Fuel
2000	11.742	1.342	0,00	9.206	15.249	1.294	5.165	0	0	0	43.999
2001	12.180	1.371	8,24	9.221	15.253	1.448	5.579	0	0	0	45.059
2002	11.653	1.482	5,22	8.952	14.944	1.340	5.931	0	0	0	44.307
2003	11.559	1.701	5,10	9.310	15.035	1.239	5.386	0	0	0	44.236
2004	11.438	1.783	5,13	9.034	15.685	1.622	4.923	48	483	0	45.021
2005	11.291	1.699	5,38	8.542	15.047	1.361	4.413	69	270	0	42.696
2006	11.162	1.694	3,34	8.853	14.439	552	3.841	105	344	0	40.994
2007	11.343	1.302	4,70	8.257	13.057	360	3.942	151	438	3	38.859
2008	11.512	1.785	3,81	7.637	14.757	324	3.670	62	242	67	40.060

(Thousand Barel)

Year	Secondary Fuel				Non Fuel	Lubricant	LPG	HOMC	Total Production
	Naphtha	LOMC	LSWR	Total					
2000	16.647	1.666	38.618	56.931	8.172	2.676	8.378	0	352.880
2001	20.180	143	34.211	54.534	7.922	2.712	8.160	0	356.717
2002	16.230	0	28.363	44.593	7.796	2.252	8.199	0	341.498
2003	18.306	0	32.050	50.357	11.402	2.867	8.702	0	351.539
2004	18.737	0	29.189	47.926	9.284	2.823	9.380	0	352.566
2005	21.216	0	28.965	50.181	9.634	2.404	8.457	0	339.205
2006	25.405	0	31.070	56.475	11.460	2.734	8.971	0	337.461
2007	25.155	0	29.472	54.627	12.202	2.814	8.905	10.597	333.540
2008	28.270	0	30.033	58.303	14.130	3.067	8.054	10.871	346.377

Source : Directorate General of Oil and Gas

Note: 2000 - 2003 included Premix (94), Super TT and BB2L (unleaded gasoline)



## 6.2.6 Import of Refined Products

(Thousand KL)

Year	Avtur	Premium	Pertamax Plus	Pertamax	DPK	HOMC	ADO	Fuel Oil	IDO	Total Fuel
2000	0	0	0	0	2.966	1.984	7.194	2.326	0	14.470
2001	0	0	0	0	2.718	2.410	7.879	1.166	0	14.174
2002	0	0	0	0	2.916	3.154	9.637	1.232	0	16.940
2003	0	0	0	0	2.516	3.076	9.955	1.512	0	17.058
2004	679	772	0	0	2.907	5.804	12.339	1.896	0	24.398
2005	654	6.202	0	3	2.604	1.076	14.470	1.493	0	26.502
2006	796	5.841	0	69	861	1.056	10.846	1.682	0	21.152
2007	1.176	7.069	27	35	1.080	108	12.367	2.163	8	24.032
2008	769	8.572	17	40	333	0	12.284	2.573	28	24.615

Source : Directorate General of Oil and Gas

Note: DPK = Dual Purpose Kerosene (Avtur and Kerosene)

## 6.2.7 Export of Refined Products

(Thousand Barel)

Year	Gasoline (Premium)	Kerosene	ADO	Fuel Oil	Naphtha	Lubricant	Other Product	Total
2000	0,0	0,0	0,0	0,0	11.390,1	0,0	55.694,4	67.085
2001	0,0	0,0	0,0	0,0	13.448,4	147,5	41.522,3	55.118
2002	0,0	0,0	0,0	3.253,2	10.993,3	417,3	40.825,9	55.490
2003	0,0	0,0	0,0	2.813,2	18.715,0	674,0	41.509,8	63.712
2004	0,0	0,0	0,0	4.940,0	11.763,0	513,0	47.285,0	64.501
2005	51,2	0,5	114,9	3.233,5	6.531,1	64,2	33.357,8	43.353
2006	37,0	0,8	78,4	203,6	946,6	87,3	36.159,2	37.513
2007	47,4	0,7	988,1	851,3	6.163,3	8,0	35.657,9	43.717
2008	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0

Source : Directorate General of Oil and Gas

## 6.2.8 Indonesia Crude Oil Export by Destination

(Thousand bbl)

Year	Japan	USA	Korea	Taiwan	Singapore	Others	Total
2000	74.807	14.153	37.408	9.157	15.656	72.320	223.500
2001	77.866	15.349	51.965	8.167	20.517	67.748	241.612
2002	61.752	15.864	43.977	7.023	14.648	74.852	218.115
2003	61.285	12.051	40.822	5.528	11.410	57.999	189.095
2004	52.040	11.930	42.111	6.029	8.761	57.998	178.869
2005	43.628	6.256	40.108	2.639	7.612	59.459	159.703
2006	42.203	8.950	23.723	7.249	5.480	47.355	134.960
2007	45.892	4.464	18.051	3.779	7.796	55.286	135.267
2008	37.724	4.740	12.289	1.981	15.083	100.778	134.872

Source : Directorate General of Oil and Gas

## 6.2.9 LPG Supply

(Ton)

Year	Production			Export	Import	Total Supply
	Gas Refinery	Oil Refinery	Total			
2000	1.321.037	766.632	2.087.669	1.253.197	0	834.472
2001	1.415.534	772.143	2.187.677	1.423.928	0	763.749
2002	1.296.505	814.177	2.110.682	1.217.410	0	893.272
2003	1.148.379	778.939	1.927.318	1.033.672	111.178	1.004.824
2004	1.130.540	896.395	2.026.935	981.780	32.994	1.078.150
2005	995.097	832.717	1.827.814	1.015.366	22.166	834.614
2006	573.093	855.397	1.428.490	289.698	68.997	1.207.790
2007	546.734	862.696	1.409.430	268.511	137.760	1.278.679
2008	910.408	780.103	1.690.511	0	418.139	2.108.651

Source : Directorate General of Oil and Gas

### 6.3.1 Natural Gas Reserves

*per January*

(TSCF)

Year	Proven	Potential	Total
2000	94,75	75,56	170,31
2001	92,10	76,05	168,15
2002	90,30	86,29	176,59
2003	91,17	86,96	178,13
2004	97,81	90,53	188,34
2005	97,26	88,54	185,80
2006	94,00	93,10	187,10
2007	106,00	59,00	165,00
2008	112,50	57,60	170,10

Source : Directorate General of Oil and Gas

### 6.3.2 Natural Gas Production

(MMSCF)

Year	Associated	Non Associated	Total
2000	705.979	2.195.323	2.901.302
2001	716.930	2.089.154	2.806.084
2002	720.125	2.316.230	3.036.355
2003	789.202	2.366.041	3.155.243
2004	772.812	2.231.133	3.003.945
2005	795.224	2.190.117	2.985.341
2006	708.715	2.245.281	2.953.997
2007	433.630	2.371.910	2.805.540
2008	472.897	2.412.431	2.885.328

Source : Directorate General of Oil and Gas

### 6.3.3 Natural Gas and LNG Supply and Demand

Year	Natural Gas Production	Gas Lift & Reinjection	Own Use	Flare	Utilization							
					LNG Plant	LPG Plant	Refinery	City Gas	Industry	Electricity	Export Gas	Export LNG
					(MMSCF)	(MMSCF)	(MMSCF)	(MMSCF)	(MMSCF)	(MMSCF)	(MMSCF)	(MMSCF)
2000	2.901.302	237.280	157.238	172.883	1.584.365	31.832	32.277	68.642	483.438	223.564	0	27.321.020
2001	2.806.084	219.191	152.677	186.380	1.489.935	12.807	29.437	76.173	455.798	254.238	31.967	24.343.678
2002	3.036.355	202.875	170.089	176.585	1.656.472	26.901	30.879	87.016	448.261	196.300	82.619	26.184.740
2003	3.155.243	228.019	168.120	148.709	1.719.127	24.429	22.776	95.546	500.622	187.187	126.450	26.077.500
2004	3.003.945	206.659	151.041	134.997	1.607.970	28.661	20.795	104.807	473.695	169.457	163.045	25.237.867
2005	2.985.341	199.890	139.245	107.236	1.511.335	24.578	16.155	112.304	480.382	175.222	251.303	23.676.765
2006	2.953.997	185.307	142.384	112.537	1.436.093	32.879	15.159	117.798	461.277	169.269	257.224	22.400.121
2007	2.805.540	147.303	136.952	97.912	1.300.348	35.096	24.972	154.219	443.889	183.329	319.397	20.851.609
2008	2.885.328	154.890	143.252	113.701	1.270.854	13.196	29.727	210.927	505.817	221.236	329.448	20.579.632

Source : Directorate General of Oil and Gas

### 6.3.4 City Gas Sales and Utilization

Year	Sales (Million M <sup>3</sup> )				Number of Customer				Specific Consumption (Thousand M <sup>3</sup> )		
	Household	Industry & Commercial	Transportation	Total	Household	Industry	Commercial	Total	Household	Industry & Commercial	Average Uses
2000	12,74	1.907,88	27,44	1.948	42.991	594	1.053	44.638	0,2964	1.158	43,03
2001	13,79	2.117,35	21,91	2.153	48.401	626	1.160	50.187	0,2849	1.186	42,46
2002	15,13	2.418,03	19,72	2.453	51.943	646	1.330	53.919	0,2912	1.224	45,13
2003	15,94	2.668,29	17,14	2.701	64.889	675	1.305	66.869	0,2456	1.348	40,14
2004	19,37	2.917,09	13,26	2.950	75.244	677	1.158	77.079	0,2574	1.590	38,10
2005	19,32	3.108,91	6,68	3.135	77.833	723	1.412	79.968	0,2482	1.456	39,12
2006	19,82	3.277,98	6,55	3.304	79.736	769	1.463	81.968	0,2485	1.469	40,23
2007	20,39	4.267,06	7,36	4.295	81.294	873	1.468	83.635	0,2508	1.823	51,26
2008	19,61	5.693,28	18,33	5.731	82.123	1.099	1.498	84.720	0,2387	2.192	67,43

Source : PT.PGN



## 6.4.1 Power Plant Installed Capacity

(MW)

Year	Hydro PP	Steam PP	Gas PP	Combined Gas-Steam PP	Geothermal PP	Diesel PP	Combined Oil-Gas PP	Wind PP	Total
2000	4.199,28	11.116,98	3.804,80	6.863,22	525,00	11.223,33	0,00	0,00	37.733
2001	3.112,61	7.946,11	1.972,77	6.998,22	785,00	3.016,05	0,00	0,00	23.831
2002	3.155,17	6.900,00	1.224,72	6.863,22	785,00	2.589,12	0,00	0,00	21.517
2003	3.169,77	9.574,00	1.224,72	7.148,22	785,00	2.879,19	0,00	0,00	24.781
2004	3.199,45	10.865,00	2.339,57	6.845,97	800,00	3.277,10	12,00	0,00	27.339
2005	3.220,96	10.865,00	2.723,63	6.715,97	800,00	3.325,62	12,00	0,00	27.663
2006	3.532,11	12.990,00	2.727,22	7.894,97	800,00	3.001,49	12,00	0,00	30.958
2007	3.529,11	13.244,00	2.727,22	7.844,97	1.042,50	3.016,25	12,00	0,10	31.416
2008	3.510,27	12.014,00	3.452,63	7.306,27	932,50	3.069,77	12,00	0,10	30.298

Source : PT.PLN Statistics and Electricity Statistics, DGEEU.

## 6.4.2 Power Plant Production

(GWh)

Year	PLN												
	Hydro PP	Geothermal PP	Steam PP				Gas PP	Combined Gas- Steam PP	Diesel PP	Combined Oil-Gas PP	Solar PP	Wind PP	Sub-Total
			Coal	Oil	Gas	Total							
2000	9.110	2.649	28.776	6.055	3.598	38.429	1.252	26.397	6.355	0	0	0	84.190
2001	10.651	2.982	29.330	6.557	3.489	39.376	1.459	27.366	6.520	0	0	0	88.355
2002	8.834	3.187	29.313	8.884	835	39.032	2.229	28.803	7.209	0	0	0	89.293
2003	8.472	2.959	31.737	9.108	1.334	42.178	2.486	28.409	7.977	0	0	0	92.481
2004	8.943	3.147	30.806	9.636	1.204	41.646	3.179	30.700	8.577	0	0	0	96.192
2005	9.831	3.006	33.253	8.180	835	42.268	6.039	31.272	8.866	0	0	0	101.282
2006	8.759	3.141	38.362	8.575	828	47.764	5.031	30.918	8.855	0	0	0	104.469
2007	10.627	3.188	41.880	9.179	1.151	52.209	5.148	31.374	8.573	121	0	0,02	111.241
2008	10.740	3.391	41.311	10.186	856	52.353	5.621	35.731	10.212	0	0,10	0	118.047

(GWh)

Year	PLN Electricity Purchase from Captive Power & IPP										Grand Total
	Hydro PP	Geothermal PP	Steam PP				Combined Gas- Steam PP	Diesel PP	Solar PP	Sub-Total	
			Coal	Gas	Biomass	Total					
2000	906	2.220	5.226	0	6	5.232	682	94	0	9.135	93.325
2001	1.004	3.049	8.383	0	8	8.391	773	88	0	13.304	101.659
2002	1.099	3.051	13.616	0	11	13.627	925	221	0	18.923	108.217
2003	627	3.335	14.722	1.492	15	20.192	1.511	283	0	25.948	118.429
2004	731	3.509	17.405	12	20	17.437	1.947	347	0	23.970	120.162
2005	894	3.598	18.540	3	22	18.564	2.939	93	0	26.088	127.370
2006	864	3.517	20.268	2	32	20.302	3.603	354	0	28.640	133.108
2007	659	3.833	21.937	2	36	21.975	4.260	472	0	31.200	142.441
2008	788	4.906	20.072	173	55	20.300	4.829	566	0,27	31.390	149.437

Source : PT.PLN Statistics and Electricity Statistics, DGEEU.

### 6.4.3 Electricity Sales

(GWh)

Year	Electricity Sales Per Tariff Segment						
	Household	Commercial	Industry	Street Lighting	Social	Government	Total
2000	30.563	10.576	34.013	1.071	1.644	1.298	79.165
2001	33.340	11.395	35.593	1.129	1.782	1.282	84.520
2002	33.994	11.845	36.831	1.294	1.843	1.281	87.089
2003	35.753	13.224	36.497	1.512	2.022	1.433	90.441
2004	38.588	15.258	40.324	2.045	2.238	1.645	100.097
2005	41.184	17.023	42.448	2.221	2.430	1.726	107.032
2006	43.753	18.416	43.615	2.414	2.604	1.808	112.610
2007	47.325	20.608	45.803	2.586	2.909	2.016	121.247
2008	50.184	22.926	47.969	2.761	3.082	2.096	129.019

#### 6.4.4 Fuel consumption of PLN Power Plant

Year	Coal	HSD	IDO	FO	Natural Gas
	(ton)	(KL)	(KL)	(KL)	(MMSCF)
2000	13.135.584	3.141.917	23.146	1.858.568	228.838
2001	14.027.713	3.575.348	30.457	1.793.283	222.421
2002	14.054.377	4.625.521	40.682	2.300.603	192.927
2003	15.260.305	5.024.362	31.573	2.557.546	184.304
2004	15.412.738	6.299.706	36.935	2.502.598	176.436
2005	16.900.972	7.626.201	27.581	2.258.776	143.050
2006	19.084.438	7.586.916	23.977	2.387.622	157.894
2007	21.466.348	7.874.290	13.558	2.801.128	171.209
2008	20.999.521	8.127.546	28.989	3.163.954	181.661

Source : PLN Statistic

## 6.4.5 Share of Fuel Consumption of PLN Power Plant

(%)

Year	Type of Fuel				
	Coal	HSD	IDO	FO	Natural Gas
2000	44,09	13,62	0,12	10,10	32,08
2001	45,42	14,95	0,15	9,40	30,08
2002	44,10	18,74	0,20	11,69	25,28
2003	45,37	19,29	0,14	12,31	22,89
2004	44,00	23,23	0,16	11,57	21,04
2005	46,40	27,04	0,12	10,04	16,40
2006	48,46	24,88	0,09	9,82	16,75
2007	49,53	23,46	0,05	10,46	16,50
2008	47,46	23,72	0,10	11,58	17,15

Source : PLN Statistic

## 6.4.6 PLN Electricity System Performance

Year	Average Thermal Efficiency	Capacity Factor	Load Factor	Peak Load	Transmission & Distribution Losses
	(%)	(%)	(%)	(MW)	(%)
2000	34,66	46,29	69,54	15.320	11,65
2001	34,49	47,90	71,13	16.314	13,52
2002	34,56	48,28	72,10	17.160	16,45
2003	34,35	49,78	71,88	17.949	16,88
2004	34,23	51,14	72,64	18.896	11,29
2005	34,62	52,15	75,48	19.263	11,54
2006	33,51	48,00	64,15	20.354	11,45
2007	32,00	64,47	59,60	21.306	11,08
2008	33,48	52,62	80,77	21.120	10,46

Source : PLN Statistic

## 6.5.1 Geothermal Resources and Reserves

Status Year 2008

(MW)

No	Location	Resources		Reserves			Total
		Speculative	Hipotethic	Probable	Possible	Proven	
1	Sumatera	5.000	2.194	5.745	15	380	13.334
2	Jawa	1.960	1.771	3.225	885	1.815	9.656
3	Bali-Nusa Tenggara	410	359	973	-	15	1.757
4	Sulawesi	875	32	959	150	78	2.094
5	Maluku	370	37	327	-	-	734
6	Kalimantan	45	-	-	-	-	45
7	Papua	50	-	-	-	-	50
Total		8.710	4.393	11.229	1.050	2.288	27.670

Source : Agency Geology

## 6.5.2 Geothermal Power Plant Capacity

(MW)

No	Working Area	Location	Turbine Capacity	Operator	Total Capacity
1	PLTP Kamojang (Pertamina)	West Java	1 x 30 MWe	PLN	200
			2 x 55 MWe	PLN	
			1 x 60 MWe	PLN	
2	PLTP Lahendong (Pertamina)	North Sulawesi	2 x 20 MWe	PLN	40
3	PLTP Sibayak (Pertamina)	North Sumatera	1 x 2 MWe	Pertamina	12
4	PLTP Salak (Chevron GS)	West Java	3 x 60 MWe	PLN	377
			3 x 65,6 MWe	CGS	
5	PLTP Darajat (Chevron GI)	West Java	1 x 55 MWe	PLN	255
			1 x 90 MWe	CGI	
			1 x 110 MWe	CGI	
6	PLTP Wayang Windu (Star Energi)	West Java	1 x 110 MWe	SE	110
7	PLTP Dieng (Geo Dipa Energi)	Central Java	1 x 60 MWe	GDE	60
				Total	1.054

Source : Statistics Geothermal Business Indonesia 2008. Direktorat Geothermal, Directorate general of Mineral, coal and Geothermal



### 6.5.3 Geothermal Steam Production

(Thousand Tonnes Geothermal Steam)

Year	Pertamina Field				KOB Field					Total
	Kamojang	Sibayak	Lahendong	Sub Total	Salak	Darajat	Wayang Windu	Geodipa (60MW)	Sub Total	
2000	8.238	66	-	8.304	19.494	4.876	3.717	-	28.087	36.391
2001	8.623	242	457	9.322	22.044	7.242	6.669	-	35.955	45.277
2002	9.292	212	954	10.458	21.742	7.453	6.929	-	36.124	46.582
2003	9.274	42	1.132	10.448	21.325	7.435	6.431	1.521	36.712	47.160
2004	9.277	126	1.173	10.576	22.595	8.011	6.863	2.305	39.774	50.350
2005	7.462	74	1.012	8.548	24.167	7.551	6.809	2.518	41.045	49.593
2006	8.096	165	1.240	9.501	24.527	7.633	6.625	2.544	41.330	50.831
2007	8.121	84	1.311	9.517	24.346	10.322	6.524	1.209	42.400	51.917
2008	12.100	289	2.349	14.738	24.482	13.487	6.665	1.644	46.279	61.016

Source : Statistics Geothermal Business Indonesia 2006. Direktorat Geothermal, Directorate general of Mineral, coal and Geothermal

## 6.5.4 Geothermal Electricity Production

(MWh)

Year	Pertamina Field				KOB Field					Total
	Kamojang	Sibayak	Lahendong	Sub Total	Salak	Darajat	Wayang Windu	Geodipa (60MW)	Sub Total	
2000	1.072	3	-	1.075	2.398	741	507	-	3.646	4.721
2001	1.116	11	61	1.188	2.726	1.107	888	-	4.721	5.909
2002	1.202	10	93	1.305	2.668	1.169	910	-	4.747	6.052
2003	1.201	1	155	1.357	2.637	1.170	858	186	4.851	6.208
2004	1.200	4	159	1.363	2.737	1.251	921	288	5.197	6.560
2005	963	2	134	1.099	2.930	1.218	936	323	5.407	6.506
2006	1.043	6	166	1.215	2.920	1.176	924	319	5.339	6.554
2007	1.049	3	177	1.229	2.963	1.605	938	163	5.670	6.899
2008	1.609	25	319	1.954	2.980	2.093	951	235	6.259	8.213

Source : Statistics Geothermal Business Indonesia 2006. Direktorat Geothermal, Directorate general of Mineral, coal and Geothermal