

Energy and Economic Indicators

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
GDP (in billion pesos: at constant 2000 prices)	2,700.07	2,684.46	2,693.52	2,750.52	2,871.21	3,005.54	3,181.24	3,346.20	3,326.90	3,429.43
Total Final Energy Consumption (in MTOE)	19.02	17.82	18.50	19.62	19.86	22.13	22.83	23.96	23.83	23.65
Total Primary Energy Supply (in MTOE)	25.77	26.87	28.07	26.74	30.28	32.25	33.48	35.06	36.19	37.64
Population (in million)	60.94	62.36	63.82	65.32	66.84	68.41	70.01	71.65	75.36	76.99
Forex (in Pesos/USD)	28.00	26.65	25.10	27.70	24.42	26.21	26.29	39.98	39.06	40.31
Average Crude Price (in USD / barrel)	-	-	-	-	-	-	-	18.13	12.17	17.21

Sources:

Gross Domestic Product (GDP), Population - National Accounts, Philippine Statistical Authority

Foreign Exchange Rate - *Bangko Sentral ng Pilipinas (BSP)*

Energy Supply - Policy Formulation and Research Division (PFRD), DOE

Crude Oil Price - *Oil Industry Management Bureau (OIMB), DOE*

[Energy and Economic Indicators](#)

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
GDP (in billion pesos: at constant 2000 prices)	3,580.71	3,684.34	3,818.67	4,008.47	4,276.94	4,481.28	4,716.23	5,028.29	5,237.10	5,297.24
Total Final Energy Consumption (in MTOE)	23.20	22.82	22.76	22.98	23.05	22.67	22.36	23.15	23.30	23.93
Total Primary Energy Supply (in MTOE)	38.86	36.87	37.33	37.41	37.25	38.06	37.82	38.48	40.46	39.90
Population (in million)	77.02	78.59	80.28	81.88	83.56	85.26	86.97	88.71	89.44	91.02
Forex (in Pesos/USD)	50.00	51.40	53.10	55.57	56.27	53.07	49.13	41.40	47.49	46.36
Average Crude Price (in USD / barrel)	26.15	22.81	23.81	26.80	33.63	49.32	61.48	68.37	93.56	61.69

Sources:

Gross Domestic Product (GDP), Popukon -National Accounts, Philippine Statistical Authority

Foreign Exchange Rate - *Bangko Sentral ng Pilipinas (BSP)*

Energy Supply - Policy Formulation and Research Division (PFRD), DOE

Crude Oil Price - *Oil Industry Management Bureau (OIMB), DOE*

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	2010	2011	2012	2013	2014	2015	2016	2017	2018
GDP (in billion pesos: at constant 2000 prices)	5,701.54	5,910.20	6,305.23	6,750.63	7,165.48	7,600.18	8,123.38	8,665.82	9,206.89
Total Final Energy Consumption (in MTOE)	25.09	25.18	25.77	27.30	28.51	30.99	33.53	35.47	35.72
Total Primary Energy Supply (in MTOE)	41.05	41.85	43.52	44.99	46.99	51.27	54.59	57.96	59.66
Population (in million)	92.60	94.18	96.50	98.19	99.88	101.56	103.24	104.92	106.60
Forex (in Pesos/USD)	43.89	43.93	41.19	44.41	44.62	47.17	49.81	49.92	52.72
Average Crude Price (in USD / barrel)	78.04	106.19	109.00	105.00	97.00	50.91	42.16	54.22	69.42

Sources:

Gross Domestic Product (GDP), Population - National Accounts, Philippine Statistical Authority

Foreign Exchange Rate - *Bangko Sentral ng Pilipinas (BSP)*

Energy Supply - Policy Formulation and Research Division (PFRD), DOE

Crude Oil Price - *Oil Industry Management Bureau (OIMB), DOE*

Economic Parameters

Indicator	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<u>Intensity</u>										
Energy to GDP** (TOE/Php 1M)	10.06	9.99	10.27	10.54	10.42	10.74	10.61	10.75	11.11	11.11
Oil to GDP (BBL/Php 100,000)	3.06	3.01	3.39	3.68	3.62	4.09	4.00	4.15	4.13	3.76
Electricity to GDP (Wh/Php)	9.75	9.55	9.60	9.66	10.61	11.16	11.54	11.89	12.50	12.08
<u>Elasticity</u>										
Energy to GDP	-	2.23	9.23	2.30	0.72	1.69	0.78	1.28	4.77	1.00
Oil to GDP	-	3.68	38.99	5.15	0.60	3.85	0.64	1.75	1.99	2.01
Electricity to GDP	-	4.45	2.55	1.30	3.33	2.17	1.61	1.62	7.77	0.12
<u>Energy Per Capita (TOE/person)</u>	0.42	0.43	0.44	0.41	0.45	0.47	0.48	0.49	0.48	0.49

** GDP @ constant 2000 price

Energy-to-GDP ratio or energy intensity indicates the amount of energy required per GDP. It measures the energy efficiency of a nation's economy.

Economic Parameters

Indicator	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
<u>Intensity</u>										
Energy to GDP** (TOE/Php 1M)	10.84	10.13	9.74	9.38	8.94	8.53	7.97	7.61	7.61	7.58
Oil to GDP (BBL/Php 100,000)	3.37	3.24	2.98	2.83	2.70	2.36	2.04	1.96	1.80	1.89
Electricity to GDP (Wh/Php)	12.65	12.77	12.69	13.21	13.08	12.62	12.04	11.86	11.61	11.69
<u>Elasticity</u>										
Energy to GDP	0.41	1.32	0.10	0.21	0.25	0.01	0.32	0.27	1.00	0.66
Oil to GDP	1.43	0.39	1.25	0.08	0.25	1.77	1.71	0.35	0.97	5.43
Electricity to GDP	2.11	1.34	0.83	1.86	0.85	0.23	0.07	0.75	0.49	1.59
Energy Per Capita (TOE/person)	0.50	0.47	0.46	0.46	0.45	0.45	0.43	0.43	0.45	0.44

** GDP @ constant 2000 price

Energy-to-GDP ratio or energy intensity indicate...

Economic Parameters

Indicator	2010	2011	2012	2013	2014	2015	2016	2017	2018
<u>Intensity</u>									
Energy to GDP** (TOE/Php 1M)	7.18	7.05	6.82	6.67	6.61	6.74	6.71	6.66	6.44
Oil to GDP (BBL/Php 100,000)	1.84	1.67	1.64	1.62	1.64	1.78	1.79	1.78	1.69
Electricity to GDP (Wh/Php)	11.88	11.70	11.57	11.15	10.78	10.84	11.18	10.89	10.84
<u>Elasticity</u>									
Energy to GDP	0.26	0.50	0.48	0.66	0.85	1.35	0.92	0.89	0.42
Oil to GDP	0.62	1.61	0.67	0.83	1.25	2.44	1.14	0.91	0.14
Electricity to GDP	1.23	0.58	0.81	0.46	0.43	1.10	1.48	0.59	0.92
Energy Per Capita (TOE/person)	0.44	0.44	0.45	0.46	0.47	0.50	0.53	0.55	0.56

** GDP @ constant 2000 price

Energy-to-GDP ratio or energy intensity indicate: