

News Release



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Energy

Energy Consumption in Malta 2000-2007

Energy consumption in Malta is derived from a range of imported fossil fuels which are burnt for different uses. The three major energy consumers are domestic transport, industry and power stations.

Transport includes all types of vehicles, sea craft and airplanes. All these moving units mainly consume leaded petrol, unleaded petrol and diesel fuels. Their consumption varies according to the type of unit and how much it is used. This reflects in a continuous change the demand of fuels according to the travelling habits on the islands.

The tables presented in this news release give an overview of the energy consumption in Malta from 2000 to 2007 except for table 2 where data for financial year 2006/07 are unavailable.

Energy statistical data for the Maltese Islands show that there is a continuous increasing demand for fossil fuel energy during the past eight years. This trend is graphically presented in Chart 1. Such an increase during this period was of 17 per cent. Malta is totally dependent on fossil fuel imports and its fuel mix is becoming cleaner following measures such as the abolition of leaded petrol use in 2003 and the supply of low sulphur diesel. This is presented in Table 1 which shows the quantities of fuel imported in Malta

The data indicate that fuel oil is the most imported commodity since it is used for the daily operations of the two installed power stations on the Island. The second most consumed fuel is the low sulphur diesel. This is followed by the unleaded fuel since this type of fuel is also used by the transport sector.

Chart 2. presents the percentage share of the fossil fuel energy balance in Malta. It is evident that around 60 per cent of fuels (fuel oils) is used for electricity production while another 34 per cent of the total fuel share (Diesel, Gas oil, Unleaded, Jet fuel) is consumed by the public and private transportation.

Table 2. shows the pattern of the electricity consumption by sector for the years 2000 to 2006. It is evident that between the year 2000 and 2006 Malta's gross energy consumption increased by 19 per cent with the domestic sector absorbing around 36 per cent of total electrical consumption. The commercial and industrial sectors are the next, with the commercial sector absorbing 32 per cent and the industrial sector 30 per cent. Such a distribution is mainly attributed to the accelerating energy demand from economic growth. Refer to Chart 3 ■

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Table 1. Fossil fuel Imports - Metric Tonnes

	2000	2001	2002	2003	2004	2005	2006	2007
Gas Oil	170,721	45,619	53,420	71,672	22,228	67,731	43,631	53,704
Diesel (low sulphur)	-	111,767	56,617	109,550	137,851	97,710	91,826	99,188
Unleaded	27,220	29,172	43,577	70,186	58,012	68,028	75,982	63,866
Premium	42,692	37,501	31,113	-	-	-	-	-
Kerosine	9,677	9,992	12,386	14,719	15,640	3,000	1,878	1,413
Jet A-1	113,740	89,070	87,083	76,602	98,284	85,138	75,164	86,678
Aviation Gasoline	135	133	160	98	129	151	110	84
Fuel Oil	428,318	545,894	529,323	547,826	577,440	607,644	592,197	637,360
Light Heating Oil	0	3,000	3,098	3,783	7,274	15,789	12,862	11,147
LPG	16,135	16,383	17,369	16,997	16,816	18,177	19,597	19,759
Propane	224	131	123	318	195	421	336	228
Total	828,569	888,662	834,269	911,753	933,869	963,789	913,584	973,427

Source: Enemalta Corporation

Chart 1. Total Imports of Fossil Fuels

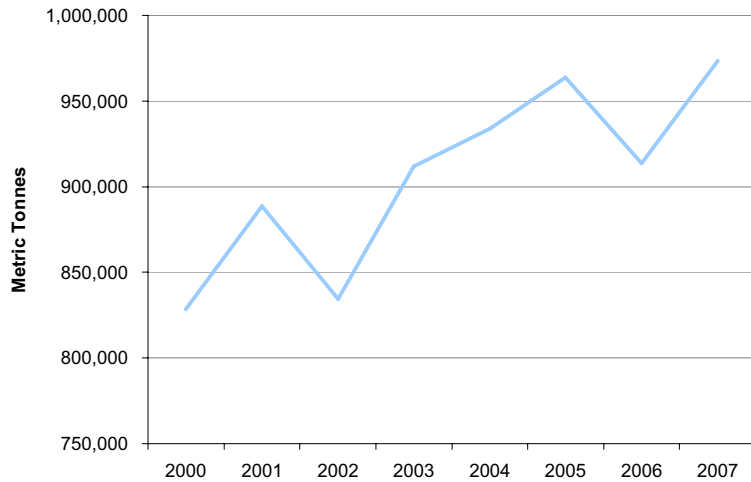


Chart 2. Energy Balance in Malta

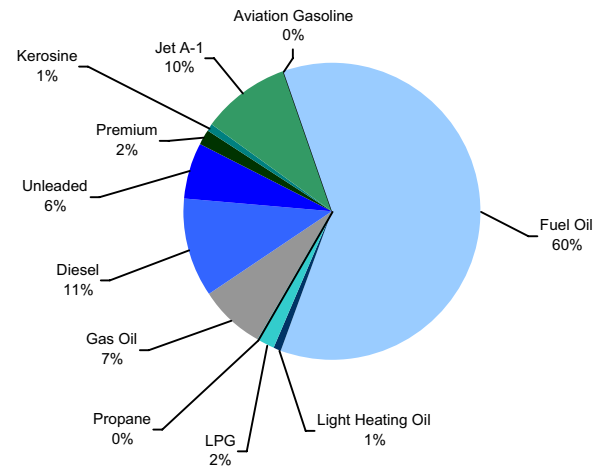


Table 2. Power generated and consumed in Malta

Year	Total Generated	Used in station	000' Kilowatt Hour				Lost in distribution and unaccounted for (Total Maltese Islands)
			Industrial	Commercial	Domestic	Street Lighting	
2000/01	1,943,350	117,661	482,908	503,660	540,265	42,733	256,123
2001/02	2,055,073	123,987	504,760	501,582	561,907	44,901	317,936
2002/03	2,208,015	125,093	499,230	553,804	623,679	35,220	370,989
2003/04	2,214,892	127,777	505,535	563,090	623,672	29,068	365,750
2004/05	2,263,145	131,005	518,147	577,544	669,467	29,192	337,790
2005/06	2,260,762	130,801	530,218	635,779	658,224	28,796	276,943

Source: Enemalta Corporation

