

ENERGY STATISTICS

4TH QUARTER/2012

No. 4

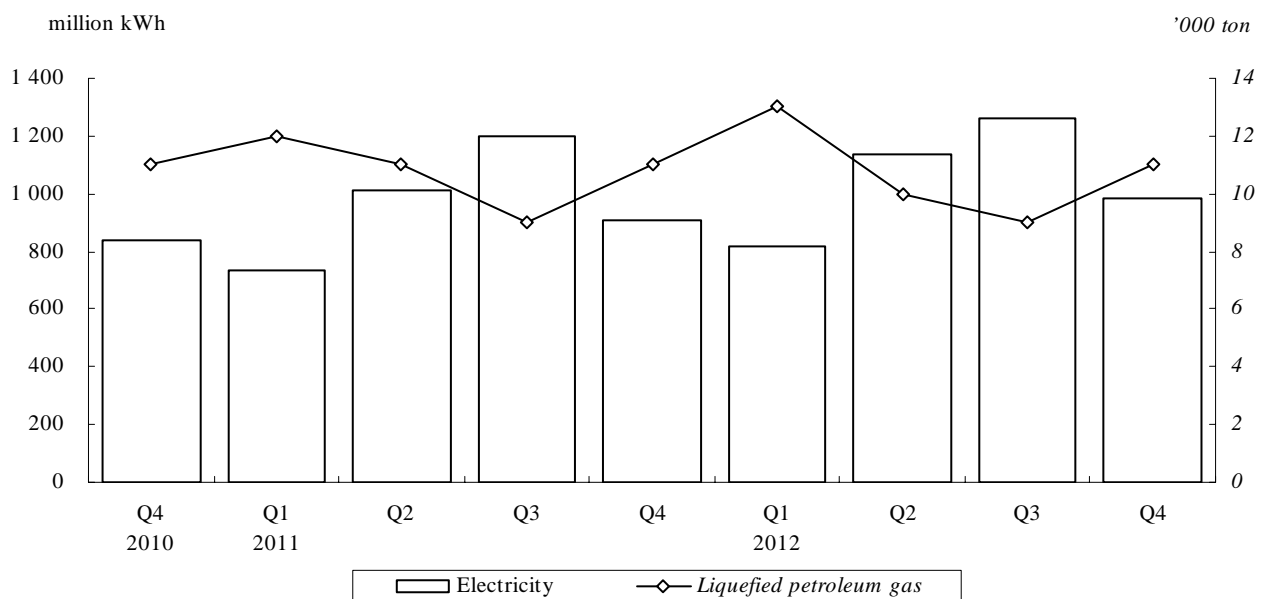
Imports of Electricity decreased by 25.3% over the previous quarter to 906 million kWh in the fourth quarter of 2012; meanwhile, local generation of Electricity dropped further by 15.6% to 108 million kWh; consumption of Electricity went down by 21.8% to 985 million kWh. For the whole year of 2012, total consumption of Electricity (4.205 billion kWh) increased by 9.1% year-on-year; consumption of Electricity by the Business sector (76.5% of total) increased by 10.4% to 3.218 billion kWh, with that of the Gaming sector rising by 14.6%; consumption by Households went up by 3.4% to 792 million kWh. In 2012, imports of Electricity (3.855 billion kWh) increased 21.8% year-on-year, while local generation of Electricity (561 million kWh) dropped by 36.7%.

In the fourth quarter of 2012, imports (11,606 tonnes) and consumption (11,450 tonnes) of Liquefied Petroleum Gas (LPG) increased by 25.1% and 21.8% respectively quarter-to-quarter; the average price of imports rose by 13.5% to MOP9.22 per kilogram. For the whole year of 2012, imports (43,477 tonnes) and consumption (43,615 tonnes) of LPG went up by 2.4% and 1.6% respectively year-on-year; the average price of imports rose by 3.1% to MOP9.29 per kilogram.

In the fourth quarter of 2012, the average price of Gas Oil & Diesel for automotive (MOP13.20 per litre) and Unleaded Gasoline (MOP12.20 per litre) increased by 1.9% and 0.4% respectively quarter-to-quarter, and that of Bottled LPG (MOP15.56 per kilogram) went up by 11.8%. For the whole year of 2012, the average price of Unleaded Gasoline (MOP12.16 per litre) and Gas Oil & Diesel for automotive (MOP13.03 per litre) increased by 5.5% and 4.6% respectively year-on-year, and that of Bottled LPG (MOP14.98 per kilogram) went up by 5.4%.

At the end of the fourth quarter of 2012, stock of LPG (1,972 tonnes) and Gas Oil & Diesel (22.46 million litres) increased by 28.0% and 14.2% respectively quarter-to-quarter, while stock of Fuel Oil (11.00 million litres) decreased by 39.6%.

Consumption of Electricity and Liquefied Petroleum Gas



Official Statistics. Reproduction of these data is allowed provided the source is quoted.

Statistics and Census Service

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1 - Energy imports

	2011		2012			Change (%)		
	Annual	Q4	Annual	Q3	Q4	Annual	Quarter-to-quarter	Year-on-year
Gas oil & diesel ('000 L)	157 255	41 384	175 013	45 604	48 522	11.3	6.4	17.2
Fuel oil ('000 L)	95 679	5 963	88 378	24 866 ^f	8 205	-7.6	-67.0	37.6
Liquefied petroleum gas (ton)	42 478	10 450	43 477	9 279	11 606	2.4	25.1	11.1
Natural gas ('000 m ³)	73 544	-	-	-	-	-100.0
Electricity (million kWh)	3 165	835	3 855	1 213	906	21.8	-25.3	8.5
<i>Relative importance to available supply (%)</i>	<i>79.1</i>	<i>89.9</i>	<i>88.2</i>	<i>91.2</i>	<i>90.1</i>	<i>..</i>	<i>..</i>	<i>..</i>

2 - Average import price of fuels

	2011		2012			Change (%)		
	Annual	Q4	Annual	Q3	Q4	Annual	Quarter-to-quarter	Year-on-year
Gas oil & diesel (MOP/L)	7.23	7.48	7.59	7.62	7.71	5.0	1.2	3.1
Fuel oil (MOP/L)	5.57	5.94	6.35	6.15 ^f	6.15	14.0	0 [#]	3.5
Liquefied petroleum gas (MOP/kg)	9.01	8.47	9.29	8.12 ^f	9.22	3.1	13.5	8.9

3 - Consumption of energy

	2011		2012			Change (%)		
	Annual	Q4	Annual	Q3	Q4	Annual	Quarter-to-quarter	Year-on-year
Gasoline ('000 L)	81 707	20 943	87 086	23 089	21 820	6.6	-5.5	4.2
Common kerosene ('000 L)	5 562	1 360	4 985	1 167	1 217	-10.4	4.3	-10.5
Gas oil & diesel ('000 L)	156 526	41 651	174 717	45 333	46 032	11.6	1.5	10.5
Fuel oil ('000 L)	98 008	15 340	87 677	20 180	15 442	-10.5	-23.5	0.7
Liquefied petroleum gas (ton)	42 908	10 958	43 615	9 399	11 450	1.6	21.8	4.5
<i>Business sector</i>	<i>29 819</i>	<i>7 455</i>	<i>29 719</i>	<i>6 482</i>	<i>7 850</i>	<i>-0.3</i>	<i>21.1</i>	<i>5.3</i>
<i>Households</i>	<i>12 535</i>	<i>3 296</i>	<i>13 034</i>	<i>2 694</i>	<i>3 363</i>	<i>4.0</i>	<i>24.8</i>	<i>2.0</i>
Natural gas ('000 m ³)	73 610	-	-	-	-	-100.0
Electricity (million kWh)	3 856	908	4 205	1 260	985	9.1	-21.8	8.5
<i>Business sector</i>	<i>2 916</i>	<i>697</i>	<i>3 218</i>	<i>928</i>	<i>775</i>	<i>10.4</i>	<i>-16.5</i>	<i>11.2</i>
<i>(Gaming)</i>	<i>(1 419)</i>	<i>(354)</i>	<i>(1 626)</i>	<i>(467)</i>	<i>(394)</i>	<i>14.6</i>	<i>-15.6</i>	<i>11.3</i>
<i>Households</i>	<i>766</i>	<i>169</i>	<i>792</i>	<i>273</i>	<i>162</i>	<i>3.4</i>	<i>-40.7</i>	<i>-4.1</i>

4 - Available supply of energy

	2011		2012			Change (%)		
	Annual	Q4	Annual	Q3	Q4	Annual	Quarter-to-quarter	Year-on-year
Gas oil & diesel ('000 L)	178 399	63 487	196 841	64 995	68 196	10.3	4.9	7.4
Fuel oil ('000 L)	108 341	25 662	98 697	38 414 ^f	26 419	-8.9	-31.2	2.9
Liquefied petroleum gas (ton)	44 591	12 707	45 239	11 074	13 148	1.5	18.7	3.5
Natural gas ('000 m ³)	73 622	-	-	-	-	-100.0
Electricity (million kWh)	3 999	929	4 372	1 330	1 005	9.3	-24.4	8.2
Local generation	886	104	561	128	108	-36.7	-15.6	3.8

5 - Average selling price of fuels

MOP

	2011		2012			Change (%)		
	Annual	Q4	Annual	Q3	Q4	Annual	Quarter-to-quarter	Year-on-year
Unleaded gasoline (per litre)	11.53	11.58 ^f	12.16	12.15	12.20	5.5	0.4	5.4
Bottled liquefied petroleum gas (per kg)	14.21	13.48 ^f	14.98	13.92	15.56	5.4	11.8	15.4
Centralized liquefied petroleum gas (per m ³)	38.45	36.64 ^f	40.30	37.78	41.71	4.8	10.4	13.8
Gas oil & diesel for automotive use (per litre)	12.46	12.64 ^f	13.03	12.95	13.20	4.6	1.9	4.4
Gas oil & diesel for industrial use (per 18 litres)	230 ^f	233	240	240	242	4.3	0.8	3.9
Gas oil & diesel for industrial use (per 200 litres)	2 499 ^f	2 531 ^f	2 609	2 613	2 634	4.4	0.8	4.1
Fuel oil (per 200 litres)	2 371 ^f	2 402 ^f	2 485	2 491	2 515	4.8	1.0	4.7
Common kerosene (per 18 litres)	214 ^f	217 ^f	224	225	227	4.7	0.9	4.6

Note: Information on gasoline, liquefied petroleum gas and gas oil & diesel for automotive use is derived from the Consumer Prices Survey

6 - Storage capacity and tank stock of fuels as at end of quarter

	Storage capacity	Q4/2011		Q3/2012		Q4/2012			
		Closing stock	Days off-take	Closing stock	Days off-take	Closing stock	Change (%)		Days off-take
							Quarter-to-quarter	Year-on-year	
Gas oil & diesel ('000 L)	76 588	21 828	34	19 674	27	22 462	14.2	2.9	32
Fuel oil ('000 L)	46 930	10 319	66	18 214	77	10 999	-39.6	6.6	52
Liquefied petroleum gas (ton)	5 170	1 762	7	1 541	8	1 972	28.0	11.9	8

Explanatory notes:

1. Information on some types of fuels is not published due to statistical confidentiality.
2. Available supply of fuels = Net imports + Opening stock
Available supply of electricity = Gross production – Plant consumption and losses + Net imports
3. Consumption of fuels = Local sales (excluding sales to energy distributors)
Consumption of electricity = Electricity sold + Free supply of electricity + Own consumption
4. Days off-take refer to the number of days of reserve in closing stock under normal consumption.

$$\text{Days off-take} = \frac{\text{Closing stock}}{\text{Estimate of sales and self consumption for last month of quarter based on normal consumption}} \times \text{Number of days in next month}$$

5. Due to rounding, total may not correspond to the sum of partial figures.

Symbols and abbreviations:

#	Confidential data
-	Absolute value equals zero
..	Not applicable
r	Revised figures
0 [#]	Magnitude less than half of the unit employed
MOP	Macao Pataca
kWh	kilowatt-hour
mW	megawatt
kg	kilogram
m ³	cubic metre
'000	thousand
L	litre
ton	tonne

The following statistical tables are available for download from DSEC website:

1. Imports of liquid and gas fuels
2. Storage capacity and tank stock of fuels (end-quarter)
3. Average selling price of fuels
4. Available supply and consumption of electricity
5. Energy balance I—4th Quarter of 2012
6. Energy balance II—4th Quarter of 2012
7. Energy balance I—2012
8. Energy balance II—2012

ACCESS TO STATISTICAL INFORMATION

Further statistical information can be obtained from the Documentation and Information Centre of the Statistics and Census Service:

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