

Vol. 14

REPUBLIC OF MAURITIUS

STATISTICS MAURITIUS

Ministry of Finance and Economic Development

**DIGEST
OF
ENERGY AND WATER
STATISTICS - 2011**

December 2012

(Price Rs 100.00)

DIGEST OF ENERGY AND WATER STATISTICS - 2011

FOREWORD

This is the fourteenth issue of a regular publication of Statistics Mauritius on energy and water statistics. It presents latest statistics on energy for the years 2002 to 2011, and on water for the period 2007 to 2011. All data refer to the Republic of Mauritius, unless otherwise specified and may be subject to revision in subsequent issues of the digest.

It is hoped that the statistics contained in this publication will prove useful to a wide range of users including planners, policy makers and research workers.

This digest has been prepared with the collaboration of the Central Electricity Board, the Central Water Authority and several other public and private organisations. The co-operation and assistance of all these organisations are gratefully acknowledged.

This publication, together with other publications of Statistics Mauritius, is available on the website <http://statsmauritius.gov.mu>.

L.F. Cheung Kai Suet
Director of Statistics

Statistics Mauritius,
Ministry of Finance and Economic Development,
Port Louis,
REPUBLIC OF MAURITIUS
December 2012

Contact person:

Ms. D. Balgobin (*Statistician*)

Ms. N. Meenowa (*Senior Statistical Officer*)

Statistics Mauritius

LIC Building

President John Kennedy Street

Port Louis

Telephone : (230) 213 3077, (230) 212 2316/ 17

Fax : (230) 213 0234

Email : cso_energy@mail.gov.mu

Table of contents

Symbols and abbreviations	9
Glossary	10
Energy conversion factors	14
Energy & Water Statistics, 2011: An overview	15
 SECTION I - Energy balance and main indicators 	
Table 1.1 - Energy balance 2011 (tonne of oil equivalent)	22
Table 1.2 - Energy balance 2011 (terajoules)	23
Table 1.3 - Energy balance 2010 (tonne of oil equivalent)	24
Table 1.4 - Energy balance 2010 (terajoules)	25
Table 1.5 - Main energy indicators, 2000-2011	26
 SECTION II - Primary energy requirement 	
Table 2.1 - Primary energy requirement, 2002-2011	30
Table 2.2 - Imports of energy sources (Physical unit), 2002-2011	32
Table 2.3 - Imports of energy sources (Energy unit), 2002-2011	32
Table 2.4 - Imports of energy sources by country of origin (Physical unit), 2002-2011	33
Table 2.5 - Imports value of energy sources by country of origin, 2002-2011	34
Table 2.6 - Re-exports and bunkering of energy sources, 2002-2011	35
Table 2.7 - Average import price of energy sources by country of origin, 2002-2011	36
Table 2.8 - Average retail price (Rupees) of petroleum products used as energy sources, 2002-2011	38
 SECTION III - Transformation of energy 	
Table 3.1 - Plant capacity, peak demand, electricity generation, sales and total consumption of electricity, 2002-2011	40
Table 3.2 - Plant capacity, 2011	41
Table 3.3 - Electricity generation by source of energy, 2002-2011	42
Table 3.4 - Percentage share of electricity generated by source of energy, 2002-2011	42

SECTION III - Transformation of energy (Contd.)

Table 3.5	- Generation of electricity by CEB and IPP, 2002-2011	43
Table 3.6	- Percentage share of electricity generated by CEB and IPP, 2002-2011	44
Table 3.7	- Fuel input for electricity generation, 2002-2011	45

SECTION IV - Final energy consumption

Table 4.1	- Final energy consumption by sector (Energy unit), 2000-2011	48
Table 4.2	- Percentage share of final energy consumption by sector, 2000-2011	48
Table 4.3	- Final energy consumption by sector and type of fuel (Physical unit), 2000-2011	49
Table 4.4	- Final energy consumption by sector and type of fuel (Energy unit), 2000-2011	50
Table 4.5	- Percentage share of final energy consumption (ktoe) by sector and type of fuel, 2000-2011	51
Table 4.6	- Final energy consumption by energy source, 2000-2011	52
Table 4.7	- Sales of electricity by tariff group, 2002-2011 (Republic of Mauritius)	54
Table 4.8	- Sales of electricity by tariff group, 2002-2011 (Island of Mauritius)	56
Table 4.9	- Sales of electricity by tariff group, 2002-2011 (Island of Rodrigues)	58

SECTION V - Water statistics

Table 5.1	- Water balance for Island of Mauritius, 2007-2011	62
Table 5.2	- Main water indicators, 2007-2011	62
Table 5.3	- Water utilisation by source (Mm ³) 2009-2011, Island of Mauritius	63
Table 5.4	- Fresh water abstractions (Mm ³) for agricultural, domestic and industrial use by source, 2000-2011 (Island of Mauritius)	63
Table 5.5	- Gross storage capacity of reservoirs by district of location and use, Island of Mauritius	63
Table 5.6	- Mean rainfall, 2007-2011 (Island of Mauritius)	64

SECTION V - Water statistics (Contd.)

Table 5.7	- Mean rainfall, 2007-2011 (Island of Rodrigues)	66
Table 5.8	- Percentage of water level by month and reservoir, 2007-2011 (Island of Mauritius)	69
Table 5.9	- Average monthly potable water production (Mm ³) from treatment plants and boreholes to distribution systems, 2007-2011 (Island of Mauritius)	72
Table 5.10	- Water sales by tariff of subscriber, 2007-2011 (Island of Mauritius)	75

SECTION VI - Energy & Water data from Censuses and Surveys

Table 6.1	- Private households by geographical location and availability of electricity at Housing Censuses 2000 & 2011 & private households having a Residual Current Device (RCD) at Housing Census 2011	78
Table 6.2	- Private households by geographical location and principal fuel used for cooking, Housing Censuses 2000 & 2011	79
Table 6.3	- Private households by geographical location and principal fuel used for heating water for bathing - Housing Censuses 2000 & 2011	80
Table 6.4	- Private households by geographical location and type of water supply - Housing Censuses 2000 & 2011	81
Table 6.5	- Private households by geographical location and availability of water tank - Housing Censuses 2000 & 2011	82
Table 6.6	- Private households by geographical location and connection to sewerage system - Housing Census 2011	82
Table 6.7	- Distribution of average monthly household consumption expenditure by <i>Income Class</i> for selected energy and water related items as at HBS 2001/2002 and 2006/2007	84
Table 6.8	- Distribution of average monthly household consumption expenditure by <i>Expenditure Class</i> for selected energy and water related items as at HBS 2001/2002 and 2006/2007	85
Table 6.9	- Average monthly household consumption expenditure for Transport and Housing divisions of COICOP by quintile group of household income at HBS 2001-2002 and 2006/2007	86
Table 6.10	- Household expenditure for selected energy and water related items by district, CMPHS 2002-2011	87

SECTION VI - Energy & Water data from Censuses and Surveys (Contd.)

Table 6.11	- Percentage of households by principal and secondary fuel used for cooking - CMPHS 2004	89
Table 6.12	- Percentage of households by main source of energy used for heating water for bathing - CMPHS 2004	89
Table 6.13	- Percentage of households by measures taken to reduce electrical energy consumption - CMPHS 2004	89
Table 6.14	- Findings from 'Energy Use' module of CMPHS 2009	90

LIST OF FIGURES

Figure 1.1	- Percentage share of consumption ('Transformation' + 'Final energy consumption') of petroleum products and coal by sector - 2000, 2005 and 2011	27
Figure 2.1	- Primary energy requirement by main energy sources, 2002 - 2011	31
Figure 2.2	- Imports of energy sources, 2002 - 2011	32
Figure 2.3	- Import value of energy sources as a percentage of total imports value, 2002 - 2011	35
Figure 2.4	- Re-exports and bunkering of energy sources, 2002 - 2011	35
Figure 2.5	- Average import price of energy sources, 2002 - 2011	37
Figure 2.6	- Retail price of petroleum products, 2002 - 2011	38
Figure 2.7	- Average wholesale price of coal, 2002 - 2011	38
Figure 3.1	- Plant capacity and peak power demand, 2002 - 2011 (Island of Mauritius)	40
Figure 3.2	- Plant capacity and peak power demand, 2002 - 2011 (Island of Rodrigues)	40
Figure 3.3	- Electricity generation by source of energy, 2002 - 2011	43
Figure 3.4	- Generation of electricity by CEB and IPP (export to CEB), 2002 - 2011	44
Figure 3.5	- Percentage share of fuel input for electricity generation, 2002 - 2011	45
Figure 4.1	- Final energy consumption by sector, 2000 - 2011	48
Figure 4.2	- Final energy consumption by main energy sources, 2000 - 2011	53
Figure 4.3	- Percentage distribution of electricity consumers by tariff group, 2011	54
Figure 4.4	- Percentage share of electricity consumed by tariff group, 2011	54

LIST OF FIGURES (Contd.)

Figure 4.5	- Percentage share of sales value of electricity by tariff group, 2011	54
Figure 4.6	- Sales of electricity by tariff group , 2002 - 2011 (Republic of Mauritius)	55
Figure 4.7	- Sales value of electricity by tariff group, 2002 - 2011 (Republic of Mauritius)	55
Figure 4.8	- Average sales price of electricity by tariff group , 2002 - 2011 (Island of Mauritius)	57
Figure 4.9	- Average no. of units used per consumer by tariff group, 2002 - 2011 (Island of Mauritius)	57
Figure 4.10	- Average sales price of electricity by tariff group, 2002 - 2011 (Island of Rodrigues)	59
Figure 4.11	- Average no. of units used per consumer by tariff group, 2002 - 2011 (Island of Rodrigues)	59
Figure 5.1	- Mean annual rainfall in Island of Mauritius by region, 2007- 2011	65
Figure 5.2	- Mean annual rainfall in Island of Rodrigues, 2008 - 2011	68
Figure 5.3	- Water level in each reservoir for 2007 - 2011 (Island of Mauritius)	71
Figure 5.4	- Average monthly potable water production (Mm ³) from treatment plants and boreholes to distribution systems, 2009 - 2011 (Island of Mauritius)	74
Figure 5.5	- Percentage of water sold by tariff of subscriber, 2011	76
Figure 5.6	- Percentage of amount collectible by tariff of subscriber, 2011	76
Figure 5.7	- Average water consumption (m ³) by tariff of subscriber, 2002-2011	76
Figure 5.8	- Average sales price of water per m ³ by tariff of subscriber, 2002-2011	76
Figure 6.1a	- Percentage of private households with electricity, Housing Censuses 1990, 2000 & 2011	78

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_9547

