

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
Figure 6.1b	- Percentage of households having Residual Current Device (RCD), Housing Census 2011	78
Figure 6.2	- Percentage distribution of households by principal fuel used for cooking, Housing Censuses 1990, 2000 & 2011	79
Figure 6.3	- Percentage distribution of households by principal fuel used for heating water for bathing, Housing Censuses 2000 & 2011	80
Figure 6.4	- Percentage distribution of private households by type of water supply, Housing Censuses 1990, 2000 & 2011	81
Figure 6.5	- Percentage distribution of households with a water tank, Housing Censuses 2000 & 2011	82

LIST OF FIGURES (Contd.)

Figure 6.6	- Percentage of private households connected to Sewerage system, Housing Census 2011	82
Figure 6.7	- Evolution of average monthly household expenditure on specific commodity, HBS 1961 - 2006/2007	83
Figure 6.8	- Percentage distribution of households with selected household electrical appliances, 2001/02 and 2006/07 HBS	83
Figure 6.9	- Percentage 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
Figure 6.10	- Percentage 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
Figure 6.11	- Percentage of monthly household consumption expenditure for Transport and Housing divisions of COICOP by quintile group of household income HBS 2001/2002 and 2006/2007	86
Figure 6.12	- Percentage of per capita monthly household consumption expenditure for Transport and Housing divisions of COICOP by quintile group of household income HBS 2001/2002 and 2006/2007	86
Figure 6.13	- Average household expenditure as at CMPHS and average actual price of LPG, electricity and water, 2002-2011	88
Figure 6.14	- Percentage household expenditure on gas by district, CMPHS 2007-2011	88
Figure 6.15	- Percentage household expenditure on Water and Waste Water Bill by district, CMPHS 2007-2011	88
Figure 6.16	- Percentage household expenditure on Electricity by district, CMPHS 2007-2011	88
Figure 6.17	- Percentage of households by principal and secondary fuel used for cooking, CMPHS 2004	89

* * * * *

Symbols & abbreviations

-	Nil
...	Not available
000	Thousand
c.i.f	Cost, insurance and freight
CEB	Central Electricity Board
CMPHS	Continuous Multipurpose Household Survey
COICOP	Classification of Individual Consumption according to Purpose
DPK	Dual Purpose Kerosene
GDP	Gross Domestic Product
GWh	Gigawatt hour (million kWh)
HBS	Household Budget Survey
IPP	Independent Power Producers
ktoe	Thousand tonnes of oil equivalent
kWh	Kilowatt hour
LPG	Liquefied Petroleum Gas
m ³	Cubic metres
max	Maximum
min	Minimum
mm	Millimetres
Mm ³	Million cubic metres
mn	Million
MW	Megawatt (1,000 kW)
Rod.	Island of Rodrigues
TJ	Terajoules
toe	Tonne of oil equivalent

* * * * *

Glossary

Energy sector

Bagasse	A cellulosic residue left after sugar is extracted from sugar cane. It is mostly used as fuel within the sugar milling factories.
Bunkers	Refer to the amount of fuels delivered to ocean-going ships or aircraft of all flags engaged in international traffic. Deliveries to ships engaged in transport in inland and coastal waters, or to aircraft engaged in domestic flights, are not included.
Calorific values	The energy content of a fuel is equivalent to the heat released on complete combustion of the fuel.
Capacity	The maximum power available from a power station at a point in time: <ul style="list-style-type: none"> - <i>Installed capacity</i>: The nameplate capacity of the generator set. - <i>Plant capacity</i>: The net capacity measured at the terminals of the stations, i.e, after deduction of the power absorbed by the auxiliary installations and the losses in the station transformers. - <i>Effective capacity</i>: It is the plant capacity less any amount of derated capacity from the install capacity.
Charcoal	Comprises the solid residue obtained by the destructive distillation of wood in the absence of air.
Coal	Fossil fuel that has a high degree of coalification, with a gross calorific value over 24MJ/kg (5700 Kcal/kg) on an ash-free but moist basis.
Conversion factors	Factors used to convert quantities from original physical units into a common accounting unit for the purpose of aggregating diverse energy sources. The ‘tonne of oil equivalent’ (toe) has been adopted as the accounting unit.
Diesel Oil	Consists primarily of medium oil distilling between 180 ⁰ C and 380 ⁰ C.
Energy	Means the capacity for doing work or for producing heat. Producing heat is a common manifestation of ‘doing work’ as are producing light and motive force.
Energy Balance	Shows in a consistent accounting framework, the production, transformation and final consumption of all forms of energy for a given geographical area and a given period of time, with quantities expressed in terms of a single accounting unit for purposes of comparison and aggregation. The energy balance thus presents an overview of the energy produced and consumed in a system, matching input and output for a specific time period, usually a year
Energy intensity	Provides a measure of the efficiency with which energy is being used in production.
Energy unit	Express fuel and energy in energy content. The International System of Units (SI unit) of energy is the Joule. Historically the ‘tonne of coal equivalent’ was used, but with ascendance of oil, this has been largely replaced by the ‘tonne of oil equivalent’ (toe), defined as 41.868 gigajoules.

Final Energy Consumption	<p>Energy consumption by final user- i.e. energy which is not being used for transformation into other forms of energy. The consumption by sector is presented as follows:</p> <p><i>Agriculture:</i> Energy used for irrigation and by other agricultural equipments; <i>Commercial & distributive trade:</i> Energy consumed by the business and commercial sector; <i>Residential:</i> Consumption of energy by residential sector; <i>Manufacturing:</i> Consumption in industry and construction; and <i>Transport:</i> Includes consumption by land vehicles, ships and local aircrafts.</p>
Fossils fuels	Formed from the fossilized remains of dead plants and animals by exposure to heat and pressure in the Earth's crust over hundreds of millions of years.
Fuels	The term fuel is used to describe those energy sources, whether primary or secondary, that must be subjected to combustion or fission in order to release the energy stored up inside them.
Fuel wood	The term 'fuel wood' embraces all forms of woody material.
Fuel Oils	The heavy oils from the refining process and used as fuel in power stations. It is also commonly used by ships and industrial large-scale heating boilers installations as a fuel in furnaces or boilers.
Gasolene	Comprises a mixture of relatively volatile hydrocarbons with or without small quantities of activities, which have been blended to form a fuel suitable for use in spark-ignition internal combustion engines.
Gross Domestic Product (GDP)	It represents the aggregate money value of all goods and services produced within a country out of economic activity during a specified period, usually a year, before provision for the consumption of fixed capital.
Gigawatt hour (GWh)	Unit of electrical energy, equal to 3.6 terajoules (TJ).
Hydro	Energy derived from the potential and kinetic energy content of water.
Imports	Refer to amount of fuels obtained from other countries.
Indigenous production	Comprises hydro electricity, fuel wood, bagasse and electricity from wind generation.
IPP (Independent Power Producers)	Undertakings which, in addition to their main activities, themselves produce (individually or in combination) electric energy intended, in whole or in part, to meet their own needs and for sale to the CEB.
Jet fuel Kerosene-type	Refers to medium oils meeting the required properties for use in jet engines and aircraft-turbine engines.
Kerosene (exlc. Jet fuel type)	A medium oil distilling between 150 ⁰ C and 300 ⁰ C and which is used in sectors other than aircraft transport.
Kilowatt hour (kWh)	It is a precise measure of heat and work. 1kWh=3.6 x 10 ⁶ joules

Landfill Gas (LFG)	Landfill gas (LFG) is a mixture of different gases, mainly methane and carbon dioxide. It is generated during the natural process of bacterial decomposition of organic material contained in solid waste landfills. LFG is an asset when it is used as a source of energy to produce electricity or heat. By using LFG to produce energy, landfills can significantly reduce emissions of methane into the atmosphere while decreasing dependency on fossil fuels to generate electricity.
Liquefied petroleum Gas (LPG)	Consists mainly of propane or butane, derived from oil. It is normally liquefied under pressure for transportation and storage. It is often used to power cooking stoves or heaters and to fuel some types of vehicle.
Losses (transmission / distribution losses)	Comprise losses in transmission and distribution of electric energy and losses in transformers, which are <i>not</i> considered as integral parts of the power stations.
Megawatt (MW)	A unit of electrical power, equal to 10^6 watts, i.e 1000kW
Own use (Station use and loss)	Included are consumption by station auxiliaries and losses in transformers, which are considered as integral parts of the power stations.
Peak demand	Peak demand, peak load or on peak are terms used in energy demand management describing a period in which electrical power is expected to be provided for a sustained period at a significantly higher than the average supply level. Peak demand fluctuations may occur on daily, monthly seasonal and yearly cycles.
Petroleum products	The primary source of petroleum products is crude oil. Petroleum or crude oil is a naturally occurring, flammable liquid found in rock formations in the Earth. Diesel oil, fuel oils, Gasolene, Kerosene and Liquefied petroleum gas(LPG) are among the major products of oil refineries.
Primary energy	Primary energy designates energy from sources that involve only extraction or capture, with or without separation from contiguous material, cleaning or grading, before the energy embodied in that source can be converted into heat or mechanical work. Primary energy is not derived from any other forms of energy. By convention, sources of energy that occur naturally such as coal, natural gas, fuelwood are termed primary energy.
Primary energy requirement	It is the sum of imported fuels and locally available fuels less re-exports to bunkers after adjusting for stock changes.
Production	Comprises gross production, i.e., the amount of electric energy produced, including that consumed by station auxiliaries and any losses in transformers that are considered integral parts of the power station.
Quintile	A statistical value of a data set that represents 20% of a given population. The first quintile represents the lowest fifth of the data (1-20%); the second quintile represents the second fifth (21% - 40%) etc.
Renewables or Renewable sources of energy	Renewables are natural resources that, after exploitation, can return to their previous stock levels by natural processes of growth or replenishment. Conditionally renewable resources are those whose exploitation eventually reaches a level beyond which regeneration will become impossible. Such is the case with the clear-cutting of tropical forests.

Secondary energy	Secondary energy designates energy from all sources of energy that results from transformation of primary sources. e.g charcoal from fuelwood.
Statistical differences	This is the difference between calculated and observed inland consumption.
Solar	Energy derived from solar radiation directly by photovoltaic effect, or indirectly by thermal transformation.
Stock change / Statistical error	This is the difference between calculated and observed inland consumption.
Terajoule	The terajoule (TJ) is equal to one trillion joules(10^{12} J). (A joule is a genetic unit of energy in the International System of units. The work required to continuously produce one watt of power for one second).
Thermal plants	Comprises of conventional thermal plants of all types, whether or not equipped for the combined generation of heat and electric energy. They include steam-operated generating plants and plants using internal combustion engines or gas turbines.
Thermal sources of electricity	These include coal, oil, bagasse and landfill gas.
Transformation	Those fuels used directly in producing other fuels.
Watt (W)	The conventional unit to measure a rate of flow of energy. One watt amounts to 1 Joule per second.
Wind energy	Energy derived from the action of the wind.
<u>Water Sector</u>	
Evapotranspiration	Combined loss of water by evaporation from the soil or surface.
Groundwater recharge	Process by which water is added from outside to fresh water found beneath the earth surface.
Surface runoff	The flow of surface water, from rainfall, which flows directly to streams, rivers, lakes and the sea.
Water Balance	The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.
1mm rainfall	1 litre of rainwater per square metre of surface area.

* * * * *

Energy conversion factors

The following energy conversion factors have been used to express the energy content of the different fuels in terms of a common accounting unit, namely the 'tonne of oil equivalent' (toe).

Energy source	Tonne	toe
Bagasse	1	0.16
Charcoal	1	0.74
Coal	1	0.62
Diesel Oil	1	1.01
Dual Purpose Kerosene (DPK)	1	1.04
Fuel oil	1	0.96
Fuelwood	1	0.38
Gasolene	1	1.08
Liquefied Petroleum Gas (LPG)	1	1.08
	GWh	toe
Electricity	1	86
Hydro/Wind	1	86
	Terajoules(TJ)	toe
Energy unit	0.041868	1

* * * * *

ENERGY AND WATER STATISTICS, 2011 – An overview

Introduction

This issue of the 'Digest of Energy and Water Statistics, 2011' covers the period 2002 to 2011 for energy statistics, and the years 2007 to 2011 for water statistics. The figures have been compiled in close collaboration with the Central Electricity Board (CEB), the Central Water Authority (CWA), the Water Resources Unit (WRU), the Meteorological Services, the petroleum companies and the Independent Power Producers (IPPs). All data refer to the Republic of Mauritius, unless otherwise specified. Some of the figures, given in the text below, have been rounded off for easy interpretation.

The energy data have been compiled according to the recommendation of the United Nation Manual, Series F No. 29 on Energy Statistics.

2. Energy

2.1 The energy balance

The energy balance (Tables 1.1-1.4) shows the supply and demand (final uses) of energy. In order to compare the energy content of the different fuels, a common accounting unit, namely tonne of oil equivalent (toe) is used. The conversion factors are given on page 9.

The energy supply presented as the total primary energy requirement decreased from 1,431 ktoe to 1,427 ktoe (-0.3%) while the demand presented as the total final consumption increased from 854 ktoe to 862 ktoe (+0.9%). The difference between the supply and the demand is mainly due to fuel transformed into electricity.

2.2 Primary energy requirement

Total primary energy requirement is obtained as the sum of imported and locally available fuels less re-exports and bunkering, after adjusting for stock changes. As shown in Table 2.1, the total primary energy requirement was 1,427 ktoe in 2011, down by 0.3% from 1,431 ktoe in 2010 leading to a decrease of 0.9% in the per capita primary energy requirement from 1.12 toe to 1.11 toe.

In 2011, 83.8% (1,196 ktoe) of the total primary energy requirement were met from imported fuels (petroleum products and coal) compared to 83.1% (1,189) in 2010. Locally available sources (hydro, wind, landfill gas, bagasse and fuelwood) which are all renewable accounted for 16.2% (231 ktoe) in 2011 compared to 16.9% (242 ktoe) in 2010. It is to be noted that as from August 2011, part of the primary energy requirement was marginally met from landfill gas.

Energy supply from petroleum products increased by 3.0% from 775 ktoe in 2010 to 798 ktoe in 2011. It comprised mainly fuel oil (31.1%), diesel (26.3%), gasoline (16.3%) and aviation fuel (16.8%). In 2011, coal requirement was 398 ktoe indicating a decrease of 3.9% over the 414 ktoe of 2010.

Local productions which are all renewable stood at 231 ktoe in 2011. Bagasse contributed 94.4% of the renewable sources and the remaining 5.6% was from hydro, wind, landfill gas and fuelwood.

In this issue 'Energy intensity', which provides a measure of the efficiency with which energy is being used, has been calculated using GDP at 2000 rupees. Table 1.5 shows that 'Energy intensity', which stood at 0.79 in 2010, fell to 0.76 in 2011, reflecting a more efficient use of energy.

2.2.1 Local Production (Renewable)

Total energy production from local renewable sources went down by 4.5% from 242 ktoe in 2010 to 231 ktoe in 2011. It was mainly due to a decrease of 42.7% in the production of hydro/wind electricity from 8.9 ktoe in 2010 to 5.1 ktoe in 2011 and a decrease of 3.1% of bagasse from 225 ktoe to 218 ktoe (Table 2.1).

2.2.2 Imports of energy sources

In 2011, some 1,577 ktoe of petroleum products and coal were imported compared to 1,500 ktoe in 2010, representing an increase of 5.1%. Imports of petroleum products went up from 1,091 ktoe to 1,168 ktoe (+7.1%) while that of coal remained almost the same at around 409 ktoe (Table 2.3).

The import value of petroleum products and coal increased by 25.3% from Rs 24,721 million in 2010 to Rs 30,974 million in 2011. The import value of petroleum products and coal as a percentage of total imports was 21.0% in 2011 compared to 18.0% in 2010 (Table 2.5).

2.2.3 Re-exports and bunkering

Of the 1,577 ktoe of imported energy sources in 2011, around 402 ktoe (25.5%) were supplied to foreign marine vessels and aircrafts. Re-exports and Bunkering has gone up by 14.2% over the 2010 figure of 352 ktoe. Re-exports consisted of 124 ktoe of aviation fuel (30.7%), 178 ktoe of fuel oil (44.2%) and 101 ktoe of diesel oil (25.1%) (Table 2.6).

2.3 Electricity

2.3.1 Electricity Generation

The peak power demand in 2011 reached 412.5 MW (+2.1%) in the Island of Mauritius as compared with 404.1 MW in 2010 (Table 3.1).

Some 2,730 GWh (235 ktoe) of electricity was produced in 2011 as compared with 2,689 GWh (231 ktoe) in 2010, representing an increase of 1.5%. Around 80% (2,178 GWh) of the electricity generated were from non-renewable sources and the remaining 20% (552 GWh) from renewable sources. The total amount of electricity generated from renewable resources (hydro, wind, landfill gas and bagasse) decreased by 4.3% from 577 GWh in 2010 to 552 GWh in 2011 (Table 3.5).

The Independent Power Producers (IPPs) supplied 58.6% of the total electricity generated while the Central Electricity Board (CEB) provided the remaining 41.4%. Thermal energy represented 97.8% of overall generation.

2.3.2 Fuel input for electricity generation

The different types of fuel used for electricity production are shown in Table 3.7. Fuel input decreased from 778 ktoe in 2010 to 773 ktoe in 2011 (-0.6%). The major components of the fuel input were coal (49.5 %), fuel oil (26.7%) and bagasse (23.2%).

2.3.3 Electricity sales

Electricity sales increased by 2.5% from 2,174 GWh (187 ktoe) in 2010 to 2,228 GWh (192 ktoe) in 2011. During the same period, the average sales price of electricity went up by 9.0% from Rs 5.22 to Rs 5.69 per kWh (Table 4.7).

The per capita consumption of electricity sold went up by 2.1% from 1,697 kWh in 2010 to reach 1,733 kWh in 2011 (Table 1.5).

2.4 Final energy consumption

Final energy consumption is the total amount of energy required by end users as a final product. End-users are mainly categorized into five sectors, namely manufacturing, transport, commercial and distributive trade, households and agriculture. Final energy consumption increased by 1.0% from 854 ktoe in 2010 to 863 ktoe in 2011. "Transport" and "Manufacturing" were the two largest energy-consuming sectors accounting for 50.5% and 25.7% of energy consumed respectively. They were followed by "Household" (13.6%), "Commercial and Distributive Trade" (9.4%) and "Agriculture" (0.5%). Details on the different types of fuel consumed by each sector and the respective amounts are given in Tables 4.1 to 4.4.

2.4.1 Manufacturing

Between 2010 and 2011, energy used for manufacturing processes decreased by 3.9% from 231 ktoe to 222 ktoe. In 2011, electricity contributed around 79 ktoe (35.6%); diesel oil 43 ktoe (19.4%) and that of fuel oil and bagasse was 39 ktoe (17.6%) for each.

2.4.2 Transport

Energy consumption by "Transport" sector stood at 435 ktoe, representing an increase of 3.1% over the previous year's figure of 422 ktoe. Consumption of fuel for land transport increased from 291 ktoe to 293 ktoe (+0.7%). Consumption of aviation fuel increased from 123 ktoe in 2010 to 134 ktoe in 2011 (+8.9%) and that of sea transport was around 8.0 ktoe.

2.4.3 Commercial and Distributive Trade

Total energy consumption by “Commercial and Distributive Trade” sector increased by 6.6%, from 76 ktoe in 2010 to 81 ktoe in 2011.

Electricity was the main source of energy in the “Commercial and Distributive Trade” sector and its consumption increased from 64 ktoe to 68 ktoe (+6.3%). LPG consumption remained at around 12 ktoe.

2.4.4 Household

Energy consumed by households (excluding transport) increased by 0.4% from 116.9 ktoe in 2010 to 117.4 ktoe in 2011. The two main sources of energy for households were electricity and LPG, representing 53% and 41% respectively of total energy consumed by households. Consumption of electricity rose by 2.1% and that of LPG by 1.3%.

2.4.5 Agriculture

Energy consumption in “Agriculture” went down from 4.4 ktoe in 2010 to 4.3 ktoe in 2011 (-2.3%). Electricity and diesel were the only two sources of energy used in this sector. In 2011, about 1.9 ktoe of electricity were used, mainly for irrigation. The consumption of diesel oil, which was principally for mechanical operations in fields, stood at 2.4 ktoe.

3 Water

3.1 Water balance

In 2011, the Island of Mauritius received 3,627 million cubic metres (Mm³) of precipitation (rainfall), compared to 3,368 Mm³ obtained in 2010 (+7.7%). Only 10 % of the precipitation went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% and 60% respectively (Table 5.1).

3.2 Water utilisation

Total water utilisation was estimated at 752 Mm³ in 2011. The agricultural sector accounted for 47% of the water utilised (356 Mm³). Hydropower accounted for 24% (181 Mm³). Water utilised by the domestic, industrial and tourism sector represented the remaining 29% (215 Mm³) (Table 5.3).

Compared to 2010, water utilisation dropped by 19.6 %, from 935 to 752 Mm³ with falls in each sector as follows: domestic, industrial and tourism: -7.7%, hydropower -39.3% and agricultural -11.9%.

Around 84% of the total water utilisation was met by surface water and the remaining 16 % by ground water.

3.3 Rainfall

The mean amount of rainfall recorded around the Island of Mauritius during the year 2011 was 1,945 mm, compared with the 1,806 mm registered in 2010 showing an increase of 7.7%. The wettest month in 2011 was March with 373 mm of rainfall while September was the driest with 44 mm of rainfall (Table 5.6).

3.4 Water storage level

In 2011, the minimum and maximum percentage water storage level of the different reservoirs was as follows:

Reservoir	% Minimum (month(s))	% Maximum (month(s))
Mare aux Vacoas	26 (Nov, Dec)	49 (March, April)
La Nicoliere	39 (Jun)	100 (Feb-April), (Aug, Sep)
Piton du Milieu	30 (Jan)	100 (Mar)
La Ferme	31 (Dec)	100 (Mar, Apr)
Mare Longue	29 (Jan)	100 (Aug)
Midlands Dam	33 (Jan)	96 (Oct)

3.5 Water production

The total volume of potable water treated by the different treatment plants went down by 9.0% from 223 million cubic metres (Mm³) in 2010 to 203 Mm³ recorded in 2011. Some 46% of the average water production was from surface water and 54% from boreholes in 2011 (Table 5.9).

3.6 Water sales and revenue collectible

Total volume of water sold decreased from 115.0 Mm³ in 2010 to 113.4 Mm³ in 2011 (-1.4%). In 2011, potable water made up 85.0% of the volume sold and the remaining 15.0% consisted of non-treated water. Water for domestic consumption was 73.7 Mm³, accounting for nearly 65.0% of the total volume of water sold.

The amount of revenue collectible from the sales of water for the year 2011 was Rs 986.1 million, that is a fall of 4.8% over Rs 1035.8 million collected in 2010 (Table 5.10).



Section I

Energy balance & Main indicators

Table 1.1 - Energy balance^{1/}, 2011 (tonne of oil equivalent)

Source Flow		Fossil fuels							Renewables						Electricity	Total	
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind	Landfill Gas ^{2/}	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG									
Local production	-	-	-	-	-	-	-	-	7,638	-	4,858	243	270	218,132	231,142	-	231,142
Imports	409,297	126,014	312,991	235,448	4,464	417,401	71,636	1,167,954	-	-	-	-	-	-	-	-	1,577,251
Re-exports and bunkering	-	-	(101,228)	(123,458)	-	(177,645)	-	(402,332)	-	-	-	-	-	-	-	-	(402,332)
Stock change / Statistical error	(11,637)	4,000	(1,691)	22,348	(123)	8,315	(488)	32,361	-	-	-	-	-	-	-	-	20,725
Total Primary Energy Requirement	397,661	130,015	210,071	134,337	4,341	248,071	71,148	797,984	7,638	-	4,858	243	270	218,132	231,142	-	1,426,786
Public electricity generation plant	-	-	(1,538)	-	(3,805)	(205,936)	-	(211,279)	-	-	(4,858)	(243)	-	-	(5,101)	97,143	(119,236)
Autoproducer plants	(382,724)	-	-	-	-	-	-	-	-	-	-	-	(270)	(179,046)	(179,317)	137,675	(424,365)
Other transformation	-	-	-	-	-	-	-	-	(889)	433	-	-	-	-	(456)	-	(456)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,785)	(3,785)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,687)	(16,687)
Total Final Consumption	14,936	130,015	208,534	134,337	536	42,135	71,148	586,704	6,749	433	-	-	-	39,086	46,268	214,346	862,255
Manufacturing sector	14,936	-	43,525	-	-	38,824	5,657	88,006	542	-	-	-	-	39,086	39,628	79,193	221,763
Transport sector ^{3/}	-	130,015	162,641	134,337	-	3,311	4,862	435,166	-	-	-	-	-	-	-	-	435,166
Commercial and distributive trade sector	-	-	-	-	-	-	12,161	12,161	-	347	-	-	-	-	347	68,148	80,656
Household	-	-	-	-	536	-	48,211	48,747	6,208	86	-	-	-	-	6,294	62,361	117,402
Agriculture	-	-	2,367	-	-	-	-	2,367	-	-	-	-	-	-	-	1,935	4,302
Other	-	-	-	-	-	-	257	257	-	-	-	-	-	-	-	2,710	2,967

1/ revised

2/ generated as from August 2011

3/ includes fuel used for all sectors

Note: figures in brackets represent negative quantities

Table 1.2 - Energy balance^{1/}, 2011 (Terajoules)

		Terajoules(TJ)															
Source Flow	Fossil fuels								Renewables							Electricity	Total
	Coal	Petroleum products							Fuelwood	Charcoal	Hydro	Wind	Landfill Gas ^{2/}	Bagasse	Total Renewables		
		Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products									
Local production	-	-	-	-	-	-	-	-	320	-	203	10	11	9,133	9,677	-	9,677
Imports	17,136	5,276	13,104	9,858	187	17,476	2,999	48,900	-	-	-	-	-	-	-	-	66,036
Re-exports and bunkering	-	-	(4,238)	(5,169)	-	(7,438)	-	(16,845)	-	-	-	-	-	-	-	-	(16,845)
Stock change / Statistical error	(487)	167	(71)	936	(5)	348	(20)	1,355	-	-	-	-	-	-	-	-	868
Total Primary Energy Requirement	16,649	5,443	8,795	5,624	182	10,386	2,979	33,410	320	-	203	10	11	9,133	9,677	-	59,737
Public electricity generation plant	-	-	(64)	-	(159)	(8,622)	-	(8,846)	-	-	(203)	(10)	-	(214)	4,067	(4,992)	
Autoproducer plants	(16,024)	-	-	-	-	-	-	-	-	-	-	-	(7,496)	(7,496)	5,764	(17,756)	
Other transformation	-	-	-	-	-	-	-	-	(37)	18	-	-	-	(19)	-	(19)	
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(158)	(158)	
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(699)	(699)	
Total Final Consumption	625	5,443	8,731	5,624	22	1,764	2,979	24,564	283	18	-	-	-	1,636	1,937	8,974	36,112
Manufacturing sector	625	-	1,822	-	-	1,625	237	3,685	23	-	-	-	-	1,636	1,659	3,316	9,285
Transport sector ^{3/}	-	5,443	6,809	5,624	-	-	204	18,081	-	-	-	-	-	-	-	-	18,081
Commercial and distributive trade sector	-	-	-	-	-	-	509	509	-	15	-	-	-	-	15	2,853	3,377
Household	-	-	-	-	22	-	2,019	2,041	260	4	-	-	-	-	263	2,611	4,915
Agriculture	-	-	99	-	-	-	-	99	-	-	-	-	-	-	-	81	180
Other	-	-	-	-	0	139	11	149	-	-	-	-	-	-	-	113	263

1/ revised

2/ generated as from August 2011

3/ includes fuel used for all sectors

Note: figures in brackets represent negative quantities

Table 1.3 - Energy balance, 2010^{1/} (tonne of oil equivalent)

Source Flow		Fossil fuels								Renewables					Electricity	Total	
		Coal	Petroleum products							Fuelwood	Charcoal	Hydro	Wind	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products								
Local production	-	-	-	-	-	-	-	-	7,718	-	8,663	216	225,019	241,616	-	241,616	
Imports	409,584	130,607	313,467	244,245	7,019	327,806	67,729	1,090,873	-	-	-	-	-	-	-	1,500,457	
Re-exports and bunkering	-	-	(114,323)	(119,562)	-	(118,505)	-	(352,390)	-	-	-	-	-	-	-	(352,390)	
Stock change / Statistical error	4,473	(2,922)	14,431	(1,388)	1,030	22,914	2,445	36,509	-	-	-	-	-	-	-	40,982	
Total Primary Energy Requirement	414,058	127,684	213,574	123,295	8,048	232,215	70,174	774,991	7,718	-	8,663	216	225,019	241,616	-	1,430,665	
Public electricity generation plant	-	-	(2,017)	-	(6,248)	(189,007)	-	(197,272)	-	-	(8,663)	(216)	-	(8,879)	94,495	(111,655)	
Autoproducer plants	(398,690)	-	-	-	-	-	-	-	-	-	-	-	(182,461)	(182,461)	136,734	(444,418)	
Other transformation	-	-	-	-	-	-	-	-	(869)	423	-	-	-	(446)	-	(446)	
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,475)	(3,475)	
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,665)	(16,665)	
Total Final Consumption	15,367	127,684	211,558	123,295	1,800	43,209	70,174	577,720	6,849	423	-	-	42,558	49,830	211,089	854,007	
Manufacturing sector	15,367	-	47,008	-	-	39,813	5,532	92,353	542	-	-	-	42,558	43,100	80,335	231,156	
Transport sector ^{2/}	-	127,684	162,201	123,295	-	3,396	5,012	421,588	-	-	-	-	-	-	-	421,588	
Commercial and distributive trade sector	-	-	-	-	-	-	11,799	11,799	-	335	-	-	-	335	64,309	76,444	
Household	-	-	-	-	1,800	-	47,584	49,384	6,307	88	-	-	-	6,395	61,108	116,887	
Agriculture	-	-	2,348	-	-	-	-	2,348	-	-	-	-	-	-	2,049	4,398	
Other	-	-	-	-	-	-	247	247	-	-	-	-	-	-	3,287	3,535	

1/ revised

2/ includes fuel used for all sectors

Note: figures in brackets represent negative quantities

Table 1.4 - Energy balance^{1/}, 2010 (Terajoules)

Terajoules(TJ)																
Source Flow	Fossil fuels								Renewables						Electricity	Total
	Coal	Petroleum products							Fuelwood	Charcoal	Hydro	Wind	Bagasse	Total Renewables		
		Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products								
Local production	-	-	-	-	-	-	-	-	323	-	363	9	9,421	10,116	-	10,116
Imports	17,148	5,468	13,124	10,226	294	13,725	2,836	45,673	-	-	-	-	-	-	-	62,821
Re-exports and bunkering	-	-	(4,786)	(5,006)	-	(4,962)	-	(14,754)	-	-	-	-	-	-	-	(14,754)
Stock change / Statistical error	187	(122)	604	(58)	43	959	102	1,529	-	-	-	-	-	-	-	1,716
Total Primary Energy Requirement	17,336	5,346	8,942	5,162	337	9,722	2,938	32,447	323	-	363	9	9,421	10,116	-	59,899
Public electricity generation plant	-	-	(84)	-	(262)	(7,913)	-	(8,259)	-	-	(363)	(9)	-	(372)	3,956	(4,675)
Autoproducer plants	(16,692)	-	-	-	-	-	-	-	-	-	-	-	(7,639)	(7,639)	5,725	(18,607)
Other transformation	-	-	-	-	-	-	-	-	(36)	18	-	-	-	(19)	-	(19)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(145)	(145)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(698)	(698)
Total Final Consumption	643	5,346	8,857	5,162	75	1,809	2,938	24,188	287	18	-	-	1,782	2,086	8,838	35,756
Manufacturing sector	643	-	1,968	-	-	1,667	232	3,867	23	-	-	-	1,782	1,805	3,363	9,678
Transport sector ^{2/}	-	5,346	6,791	5,162	-	-	210	17,509	-	-	-	-	-	-	-	17,509
Commercial and distributive trade sector	-	-	-	-	-	-	494	494	-	14	-	-	-	14	2,693	3,201
Household	-	-	-	-	75	-	1,992	2,068	264	4	-	-	-	268	2,558	4,894
Agriculture	-	-	98	-	-	-	-	98	-	-	-	-	-	-	86	184
Other	-	-	-	-	-	142	10	153	-	-	-	-	-	-	138	290

1/ revised

2/ includes fuel used for all sectors

Note: figures in brackets represent negative quantities

Table 1.5 - Main energy indicators, 2000 - 2011

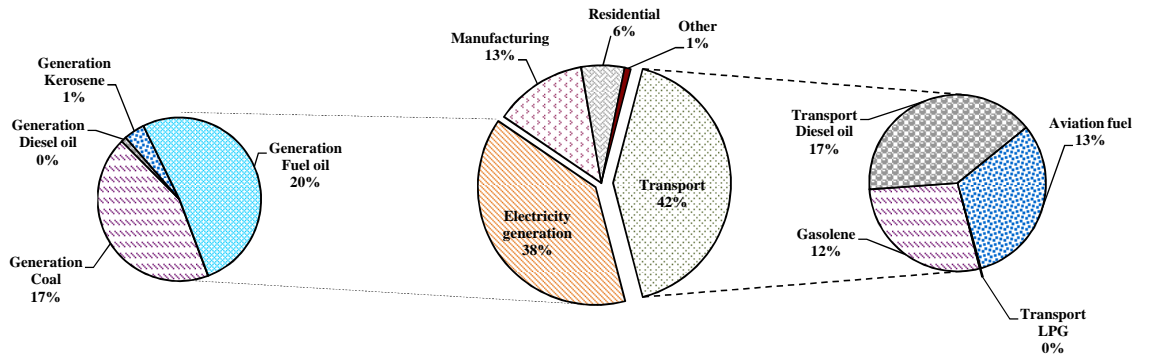
Indicators	Unit	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010 ¹	2011 ²
Mid-year population	thousand	1,187	1,200	1,210	1,223	1,233	1,243	1,253	1,260	1,269	1,275	1,281	1,286
GDP in 2000 rupees	Rs.Million	122,410	126,345	128,400	136,084	141,935	143,996	150,496	159,338	168,128	173,247	180,442	187,919
GDP index (2000 = 100)		100.0	103.2	104.9	111.2	116.0	117.6	122.9	130.2	137.3	141.5	147.4	153.5
Total primary energy requirement	ktoe	1,113.1	1,182.0	1,157.3	1,222.8	1,255.8	1,293.2	1,376.8	1,381.8	1,404.4	1,346.9	1,430.7	1,426.8
<i>Imported</i>	ktoe	849.0	901.2	898.8	956.3	980.1	1,030.5	1,122.1	1,136.0	1,140.9	1,110.6	1,189.0	1,195.6
<i>Local</i>	ktoe	264.1	280.9	258.6	266.5	275.7	262.6	254.6	245.8	263.5	236.3	241.6	231.1
Total primary energy requirement index (Base 2000 = 100)		100.0	106.2	104.0	109.9	112.8	116.2	123.7	124.2	126.2	121.0	128.5	128.2
Annual increase	%	+11.4	+6.2	-2.1	+5.7	+2.7	+3.0	+6.5	+0.4	+1.6	-4.1	+6.2	-0.3
Total Final energy consumption	Ktoe	749	784	765	815	838	846	876	858	842	809	854	862
Total electricity generated	GWh	1,778	1,911	1,949	2,082	2,165	2,272	2,350	2,465	2,557	2,577	2,689	2,730
Total electricity sold	GWh	1,374	1,467	1,510	1,627	1,704	1,777	1,880	1,975	2,054	2,069	2,174	2,228
Average sales price of electricity	Rs/kWh	2.31	2.71	3.03	3.09	3.14	3.25	3.60	3.79	4.90	5.15	5.22	5.69
Efficiency Indicators													
Import dependency	%	76.27	76.24	77.66	78.20	78.05	79.69	81.51	82.21	81.24	82.45	83.11	83.80
Energy intensity based on GDP at 2000 prices	toe per Rs.100,000 GDP	0.91	0.94	0.90	0.90	0.88	0.90	0.91	0.87	0.84	0.78	0.79	0.76
Per capita primary energy requirement	toe	0.94	0.99	0.96	1.00	1.02	1.04	1.10	1.10	1.11	1.06	1.12	1.11
Per capita final energy consumption	toe	0.63	0.65	0.63	0.67	0.68	0.68	0.70	0.68	0.66	0.63	0.67	0.67
Per capita consumption of electricity sold	kWh	1,158	1,222	1,248	1,330	1,382	1,430	1,501	1,567	1,619	1,623	1,697	1,733
Electricity consumption per household	kWh	1,659	1,717	1,720	1,790	1,792	1,862	1,862	1,907	1,902	1,950	2,013	2,094

¹ Revised

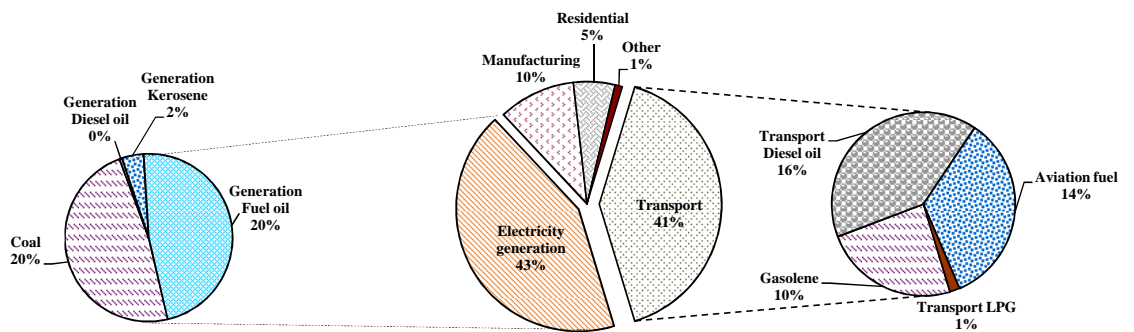
² Provisional

Fig 1.1 - Percentage share of consumption ('Transformation' + 'Final energy consumption') of petroleum products and coal by sector - 2000, 2005 and 2011

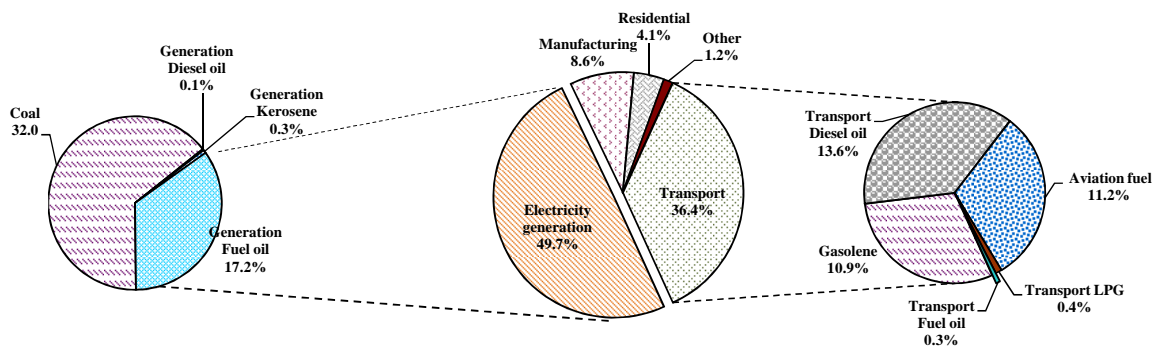
2000



2005



2011



Section II

Primary energy requirement

Fig 2.1 - Primary energy requirement by main energy sources, 2002 - 2011

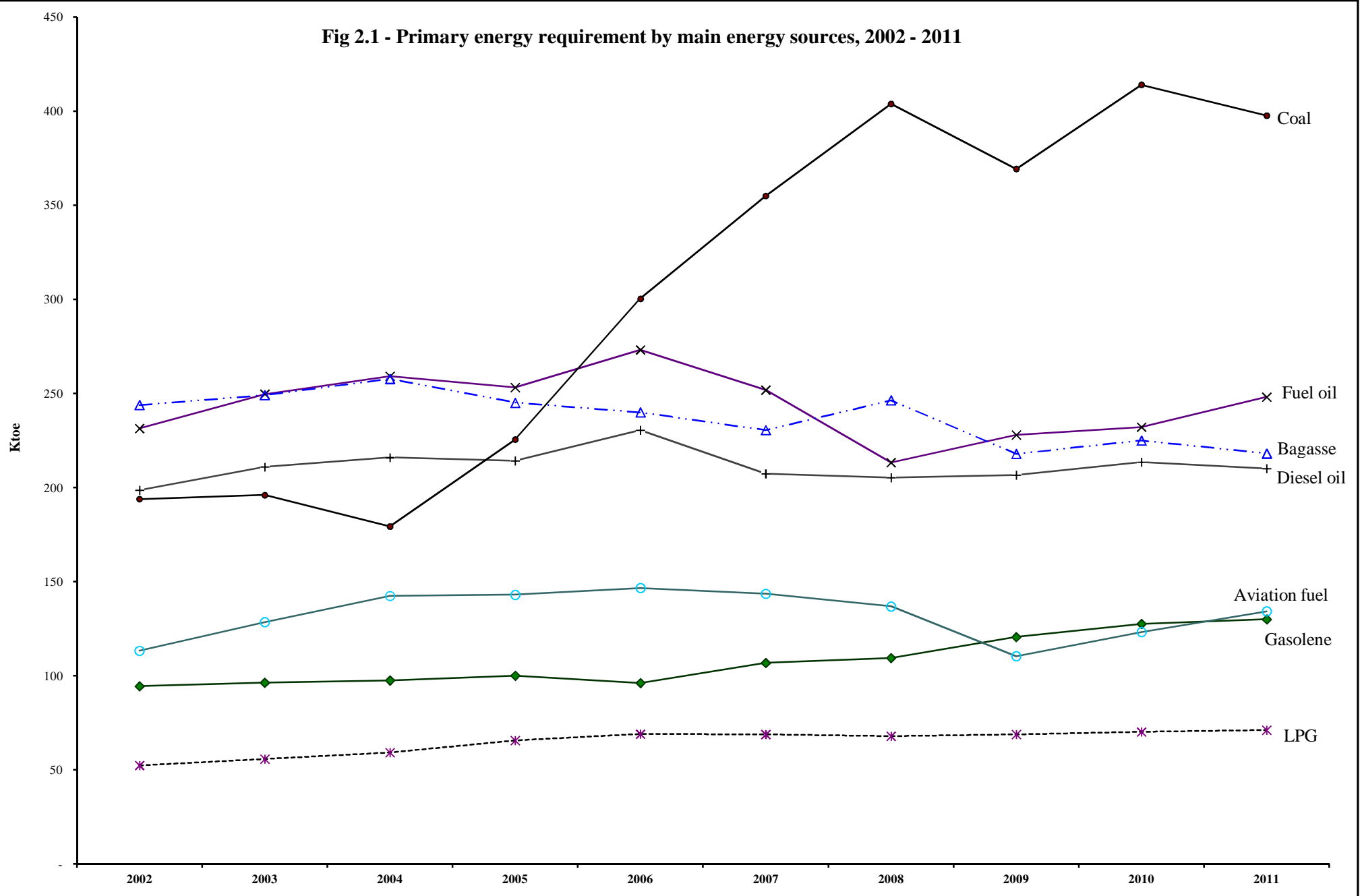


Table 2.2 - Imports of energy sources (Physical unit), 2002 - 2011

Energy source	Thousand tonne									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Fossil fuels										
Coal	312.0	289.4	331.8	379.3	490.3	647.8	606.5	559.9	660.6	660.2
Gasolene	80.3	86.8	87.7	86.8	88.9	96.4	108.5	104.4	120.9	116.7
Diesel oil	346.4	309.2	319.7	329.9	327.5	307.5	328.5	288.0	310.4	309.9
Dual Purpose Kerosene	225.5	227.7	256.8	248.0	242.0	266.4	268.1	208.8	241.6	230.7
<i>Aviation Fuel</i>	211.1	207.5	227.0	220.1	236.0	262.6	262.2	204.7	234.9	226.4
<i>Kerosene</i>	14.3	20.2	29.8	27.9	6.0	3.7	5.9	4.1	6.7	4.3
Fuel oil	208.6	288.0	288.8	337.5	304.4	333.9	291.0	343.7	341.5	434.8
LPG	54.1	48.8	53.8	62.7	58.8	62.8	63.1	62.6	62.7	66.3

Table 2.3 - Imports of energy sources (Energy unit), 2002 - 2011

Energy source	ktoe									
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Fossil fuels										
Coal	193.5	179.4	205.7	235.1	304.0	401.6	376.0	347.1	409.6	409.3
Petroleum products	929.7	972.1	1,020.1	1,076.5	1,034.1	1,080.0	1,075.3	1,018.4	1,090.9	1,168.0
Gasolene	86.7	93.7	94.7	93.7	96.0	104.1	117.2	112.8	130.6	126.0
Diesel oil	349.9	312.3	322.9	333.2	330.8	310.6	331.7	290.9	313.5	313.0
Dual Purpose Kerosene	234.5	236.8	267.1	257.9	251.7	277.0	278.8	271.2	251.3	239.9
<i>Aviation Fuel</i>	219.6	215.8	236.1	228.9	245.4	273.1	272.7	212.9	244.2	235.4
<i>Kerosene</i>	14.9	21.0	31.0	29.0	6.3	3.9	6.1	4.3	7.0	4.5
Fuel oil	200.2	276.5	277.3	324.0	292.2	320.6	279.4	330.0	327.8	417.4
LPG	58.4	52.7	58.1	67.7	63.5	67.8	68.2	67.6	67.7	71.6
Total imports	1,123.2	1,151.5	1,225.8	1,311.7	1,338.1	1,481.7	1,451.4	1,365.6	1,500.5	1,577.3

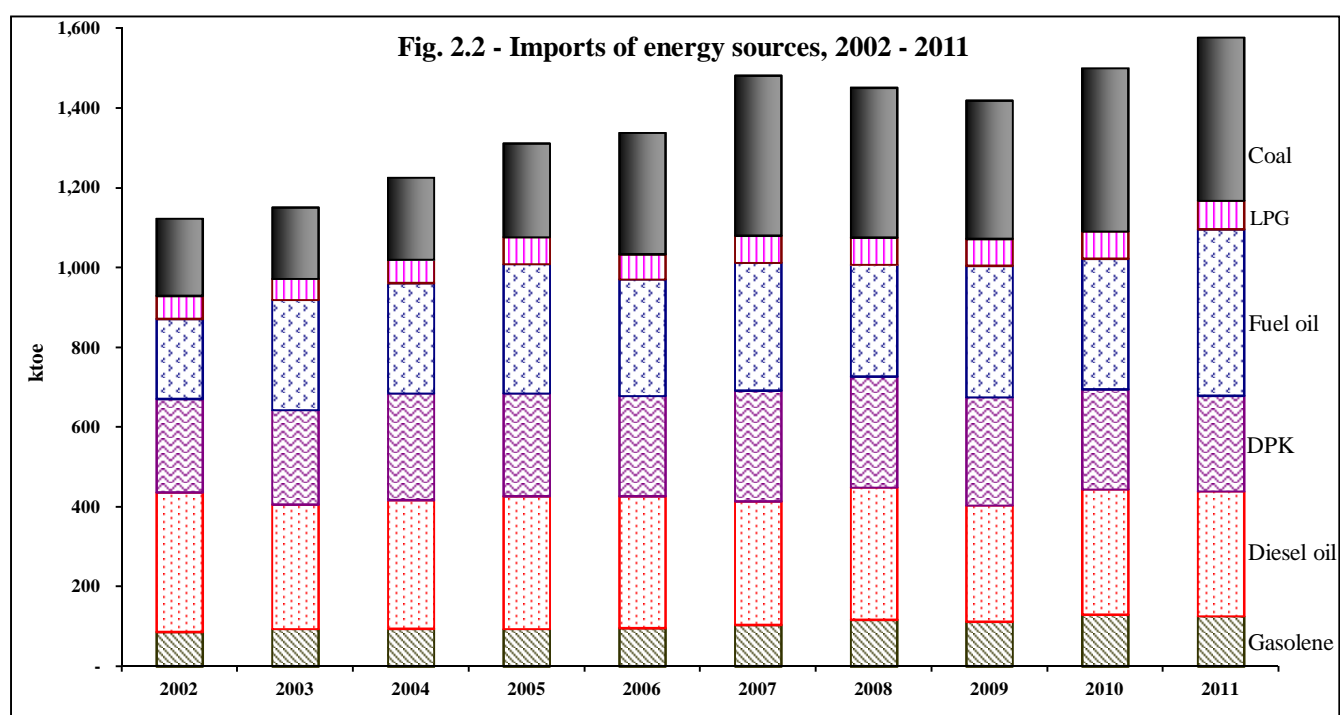


Table 2.5 - Imports value of energy sources by country of origin, 2002 - 2011

	Value (c.i.f): Rs(000)									
Country	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Coal	342,748	307,849	519,674	766,654	954,265	1,597,689	2,174,661	1,792,027	2,324,445	2,641,252
Mozambique	171,803	115,227	289,483	346,844	141,251	-	-	-	-	509,746
South Africa	170,945	192,623	230,191	419,810	813,014	1,597,689	2,174,661	1,792,027	2,324,445	2,131,506
Gasolene	605,654	748,509	1,030,619	1,452,772	1,877,318	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101
Bahrain	164,003	439,731	686,478	526,795	301,504	-	-	-	-	-
India	-	-	-	82,960	1,023,652	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101
Reunion Island	-	-	-	25,040	-	-	-	-	-	-
Saudi Arabia	222,842	258,132	89,363	104,960	82,715	-	-	-	-	-
Singapore	-	-	-	94,674	-	-	-	-	26	-
South Africa	89,057	-	48,099	-	-	-	-	-	-	-
Tanzania	-	-	26,860	-	-	-	-	-	-	-
United Arab Emirates	129,752	50,647	179,819	618,343	469,447	-	-	-	-	-
Diesel	2,223,576	2,206,920	3,101,533	4,833,411	6,351,020	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719
Bahrain	617,939	1,148,753	1,388,045	2,029,459	225,438	-	-	-	-	-
India	-	196,298	430,416	542,554	3,722,366	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719
Kuwait	-	-	188,187	-	-	-	-	-	-	-
Saudi Arabia	667,094	662,637	798,739	1,928,116	2,103,149	-	-	-	-	-
Singapore	-	-	-	265,007	-	-	-	-	-	-
South Africa	298,879	96,965	-	68,275	-	-	-	-	-	-
United Arab Emirates	639,664	46,240	296,146	-	300,066	-	-	-	-	-
Yemen	-	56,027	-	-	-	-	-	-	-	-
Kerosene (excl. jet fuel)	102,760	168,548	321,443	456,826	123,881	82,769	174,630	77,095	154,537	108,353
Bahrain	32,509	65,965	95,272	339,893	61,107	-	-	-	-	-
India	-	-	85,338	14,218	36,158	65,507	174,630	77,095	154,537	108,353
Quatar	-	-	-	-	3,026	-	-	-	-	-
Saudi Arabia	27,076	69,549	118,225	78,877	23,591	-	-	-	-	-
Seychelles	-	-	-	-	-	17,263	-	-	-	-
Singapore	-	-	-	3,695	-	-	-	-	-	-
South Africa	14,204	19,807	-	-	-	-	-	-	-	-
Tanzania	-	-	1,186	20,142	-	-	-	-	-	-
United Arab Emirates	28,971	12,628	21,422	-	-	-	-	-	-	-
Yemen	-	599	-	-	-	-	-	-	-	-
Jet fuel type kerosene	1,460,996	1,588,451	2,451,264	3,621,568	4,937,243	5,825,957	7,287,213	3,579,294	5,464,992	6,190,950
Bahrain	283,167	915,616	1,734,016	2,017,560	745,384	-	-	-	-	-
India	-	-	195,789	255,521	2,364,752	5,710,092	7,287,213	3,579,294	5,464,992	6,190,950
Quatar	-	-	-	-	246,974	-	-	-	-	-
Saudi Arabia	506,813	514,338	164,799	1,075,386	1,580,134	-	-	-	-	-
Seychelles	-	-	-	-	-	115,865	-	-	-	-
Singapore	-	-	-	228,443	-	-	-	-	-	-
South Africa	235,954	71,072	-	-	-	-	-	-	-	-
Tanzania	-	-	37,414	44,658	-	-	-	-	-	-
United Arab Emirates	435,062	48,505	319,246	-	-	-	-	-	-	-
Yemen	-	38,920	-	-	-	-	-	-	-	-
Fuel Oil	1,067,208	1,452,876	1,621,612	2,810,517	3,331,425	4,028,957	4,580,564	4,353,206	5,112,788	8,022,088
India	-	-	-	-	1,007,673	4,028,957	4,580,564	4,353,206	5,112,788	8,022,088
Iran	147,318	-	169,758	-	-	-	-	-	-	-
Madagascar	196,684	995,205	533,680	-	-	-	-	-	-	-
Singapore	115,267	-	-	-	-	-	-	-	-	-
South Africa	85,306	155,703	319,129	422,635	327,479	-	-	-	-	-
Ukraine	99,460	123,874	-	-	-	-	-	-	-	-
United Arab Emirates	423,173	178,095	599,045	2,387,883	1,996,272	-	-	-	-	-
LPG	514,691	492,218	639,389	1,047,388	1,246,411	1,481,585	1,818,791	1,322,175	1,634,513	1,894,466
Angola	-	-	-	-	-	-	-	-	60,806	-
Australia	-	-	-	-	132,400	-	94,103	90,435	188,800	74,308
Bahrain	-	-	116,753	138,513	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	404,325
France	43,961	24,209	-	-	-	-	-	-	-	-
Guinea	-	-	-	-	-	-	605,544	-	393,192	-
India	-	-	-	-	-	-	165,363	63,092	-	-
Indonesia	-	-	20,416	55,155	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	710,991	386,745	138,978
Madagascar	-	-	-	-	-	-	172,432	103,463	-	-
Malaysia	89,409	106,065	202,200	728,873	625,405	-	-	-	-	-
Oman	-	-	-	-	274,834	-	-	-	-	-
Saudi Arabia	17,677	-	-	-	-	1,214,822	523,424	-	61,680	-
Singapore	157,050	217,298	42,408	-	-	-	-	-	-	-
South Africa	170,911	140,889	78,942	-	183,519	940	181,107	-	-	329
Taiwan	-	-	-	-	-	-	76,818	-	-	-
United Arab Emirates	-	-	151,845	95,634	30,252	265,822	-	278,968	543,290	1,276,527
Vietnam	-	-	-	-	-	-	-	75,226	-	-
Yemen	35,683	3,756	26,825	29,213	-	-	-	-	-	-
Other countries	19,761	25,980	-	-	-	-	-	-	-	-
All energy sources	6,317,633	6,965,371	9,685,533	14,989,136	18,821,562	21,640,005	27,635,115	17,999,106	24,720,735	30,973,930
Percentage of total imports value	9.8%	10.6%	12.7%	16.1%	16.3%	17.9%	20.9%	15.2%	18.3%	20.9%

Fig. 2.3 - Import value of energy sources as a percentage of total imports value, 2002-2011

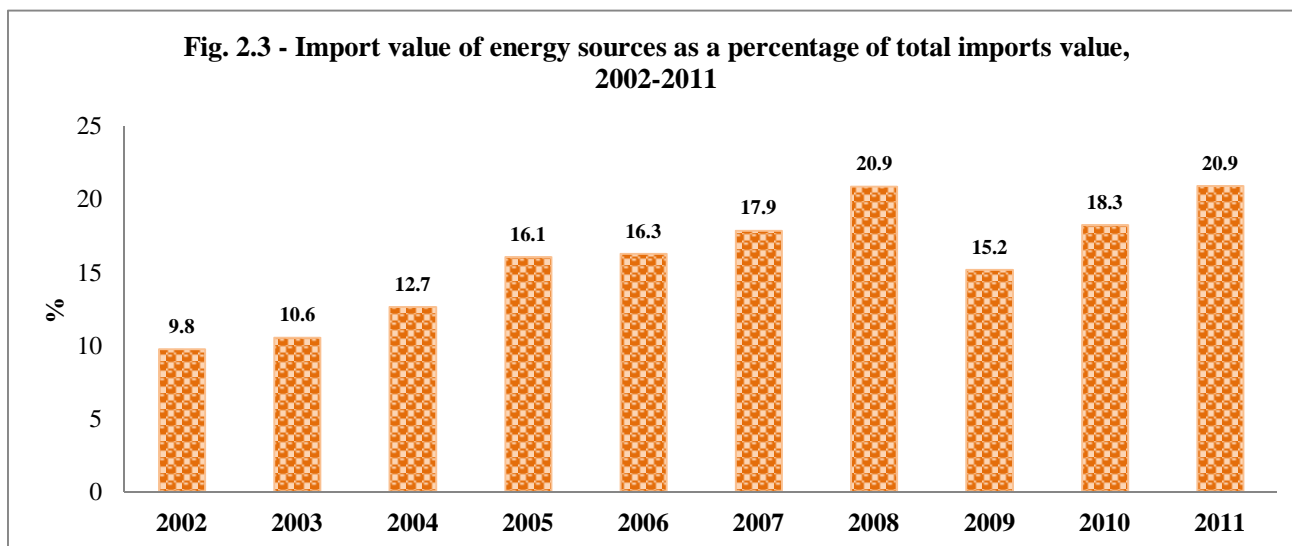


Table 2.6 - Re-exports and bunkering of energy sources, 2002- 2011

Energy re-exported	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
	<i>Thousand tonne</i>									
Aviation fuel for foreign aircraft	92.8	88.7	88.4	96.9	100.0	116.8	125.5	112.7	115.0	118.7
Diesel oil	138.5	97.7	105.2	135.4	122.3	118.4	117.3	108.6	113.2	100.2
Fuel oil	26.7	34.8	40.1	54.7	49.1	75.7	96.2	107.7	123.4	185.0
	<i>Ktoe</i>									
Aviation fuel for foreign aircraft	96.5	92.3	91.9	100.7	104.0	121.4	130.5	117.2	119.6	123.5
Diesel oil	139.9	98.6	106.2	136.8	123.5	119.5	118.5	109.7	114.3	101.2
Fuel oil	25.6	33.4	38.5	52.6	47.1	72.6	92.3	103.4	118.5	177.6
Total	262.1	224.3	236.7	290.1	274.7	313.6	341.3	330.3	352.4	402.3
	%									
Aviation fuel for foreign aircraft	36.8	41.1	38.8	34.7	37.9	38.7	38.2	35.5	33.9	30.7
Diesel oil	53.4	44.0	44.9	47.2	45.0	38.1	34.7	33.2	32.5	25.2
Fuel oil	9.8	14.9	16.3	18.1	17.2	23.2	27.1	31.3	33.6	44.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Fig. 2.4 - Re-exports and bunkering of energy sources, 2002 - 2011

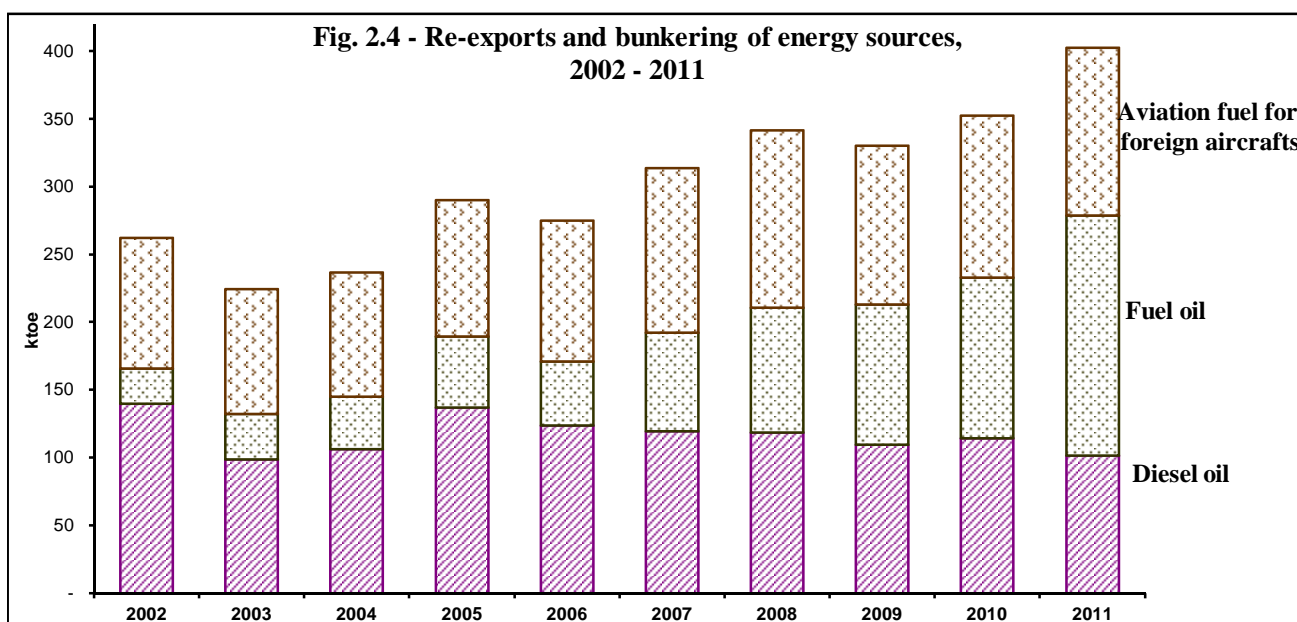


Fig 2.5 - Average import price of energy sources, 2002 - 2011

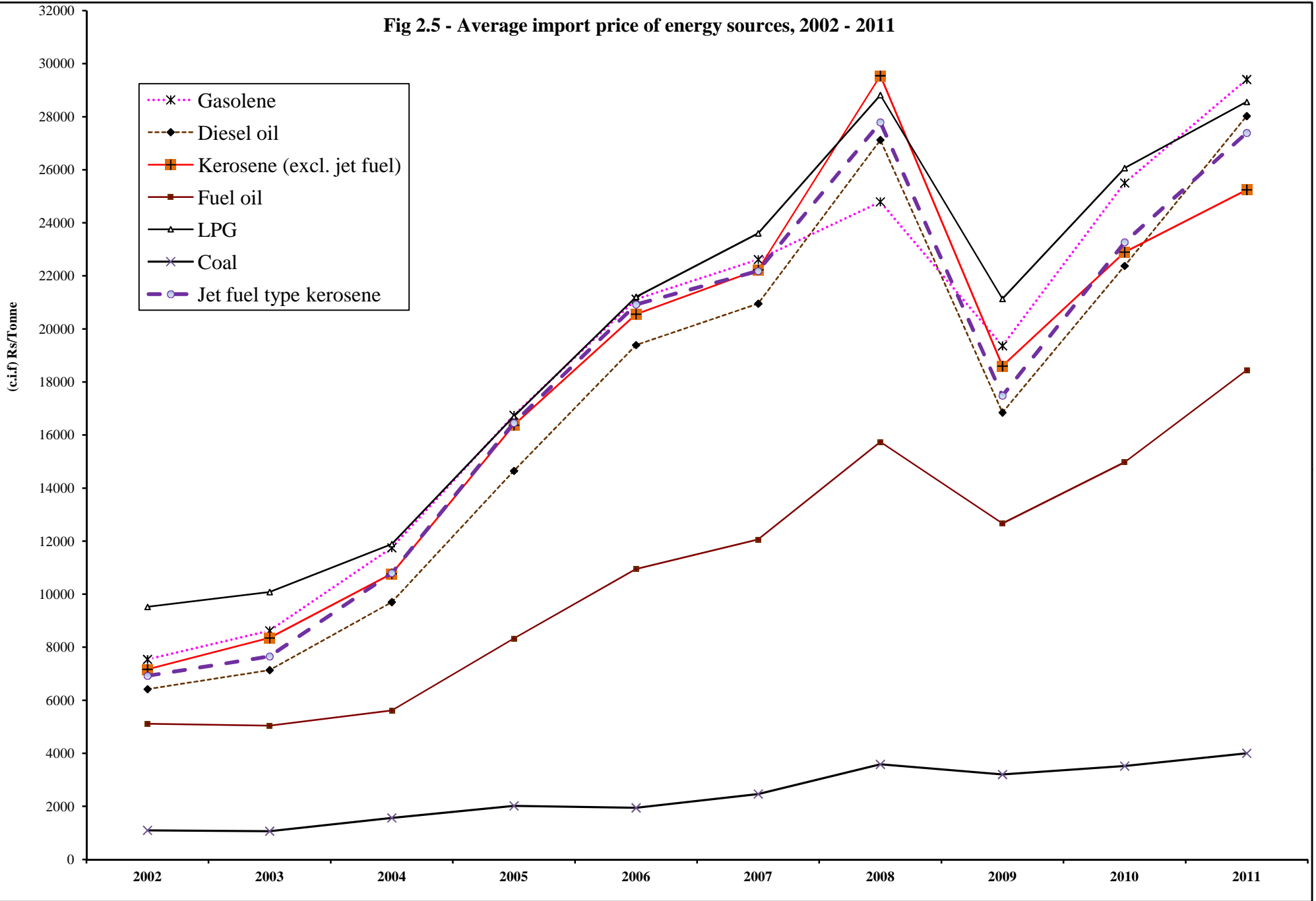
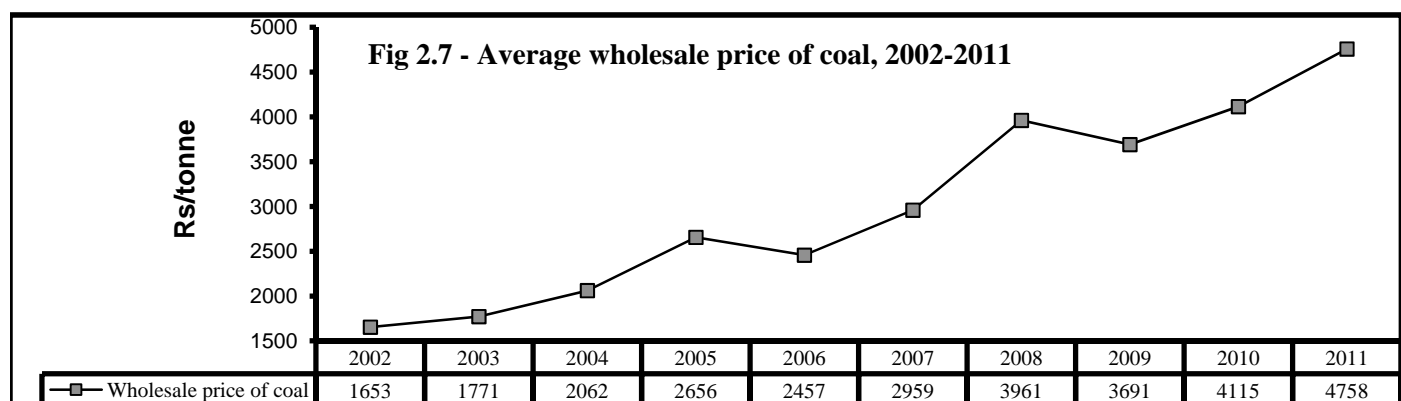
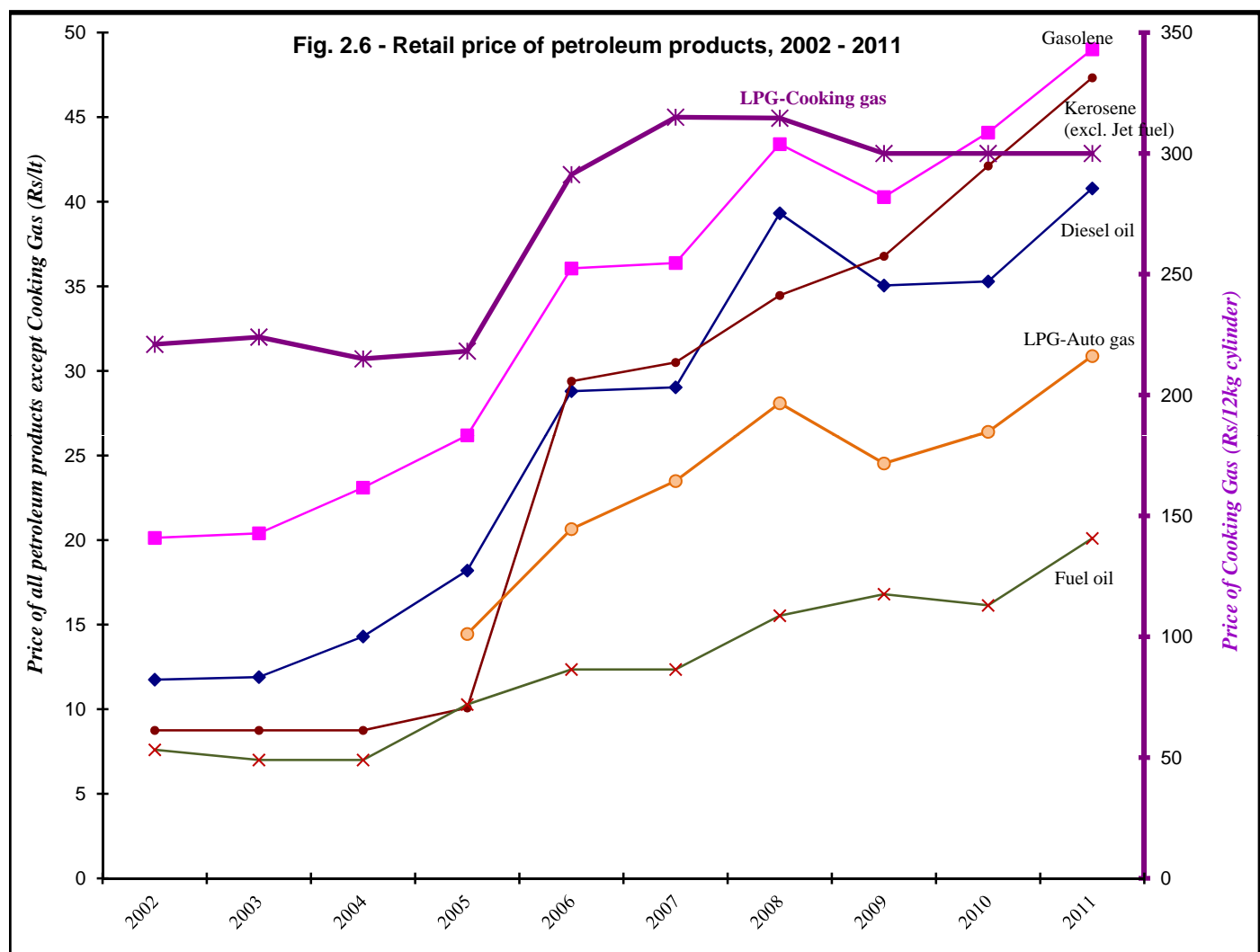


Table 2.8 - Average retail price (Rupees) of petroleum products used as energy sources, 2002-2011

Energy sources	Unit	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
		Rupees									
Gasolene	1 Lt	20.13	20.40	23.10	26.19	36.06	36.38	43.41	40.28	44.09	49.01
Diesel oil	1 Lt	11.75	11.90	14.30	18.20	28.80	29.03	39.32	35.05	35.29	40.79
Kerosene (excl. jet fuel)	1 Lt	8.75	8.75	8.75	10.08	29.39	30.50	34.46	36.78	42.12	47.33
Fuel Oil ^{1/}	1 Lt	7.60	7.00	7.00	10.28	12.35	12.35	15.53	16.80	16.14	20.10
LPG - Cooking Gas	12 Kg	221.00	224.00	215.00	218.20	291.25	315.00	314.60	300.00	300.00	300.00
LPG- Auto Gas	1 Lt				14.45	20.65	23.49	28.09	24.53	26.40	30.88

^{1/} Not retail price but sales price of STC



Data source: Cays Associates Ltd and Independent Power Producers

Section III

Transformation of energy

Table 3.1 - Plant capacity, peak demand, electricity generation, sales and total consumption of electricity, 2002-2011

Year	Plant capacity ¹ (MW)				Peak Power Demand (MW)		Electricity generated (GWh)					Sales (GWh)	Total Consumption (GWh)	
	Installed		Effective				Hydro	Wind	Landfill Gas	Thermal	Total			Available for sales
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.								
2002	650.9	6.0	569.7	5.4	308.6	4.4	85.86	-	-	1,863.00	1,948.86	1,737.63	1,509.83	1,721.07
2003	644.8	6.0	568.3	5.4	323.8	4.8	117.77	-	-	1,963.75	2,081.52	1,864.36	1,626.90	1,844.05
2004	644.5	10.0	549.9	9.0	332.6	5.6	122.27	0.43	-	2,042.51	2,165.22	1,950.40	1,703.95	1,918.77
2005	678.9	10.0	577.9	9.4	353.1	6.0	114.88	0.44	-	2,156.83	2,272.15	2,044.90	1,777.46	2,004.71
2006	700.7	10.0	609.4	9.4	367.3	5.7	76.64	0.41	-	2,273.18	2,350.23	2,121.88	1,879.80	2,108.15
2007	743.3	10.0	660.3	9.0	367.6	5.9	83.86	0.40	-	2,380.39	2,464.65	2,229.79	1,975.28	2,210.14
2008	715.5	10.0	617.7	9.0	378.1	6.0	108.03	0.37	-	2,448.84	2,557.24	2,307.24	2,053.66	2,303.66
2009	729.0	10.5	647.3	9.6	388.6	5.6	122.41	1.50	-	2,453.53	2,577.44	2,305.78	2,069.23	2,340.89
2010	729.1	11.1	655.2	10.1	404.1	6.1	100.73	2.51	-	2,585.47	2,688.71	2,408.14	2,173.91	2,454.48
2011	726.4	11.1	659.2	10.1	412.5	6.4	56.48	2.83	3.14	2,668.00	2,730.45	2,466.29	2,228.23	2,492.38

¹ Includes plant capacity for electricity not exported to CEB

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

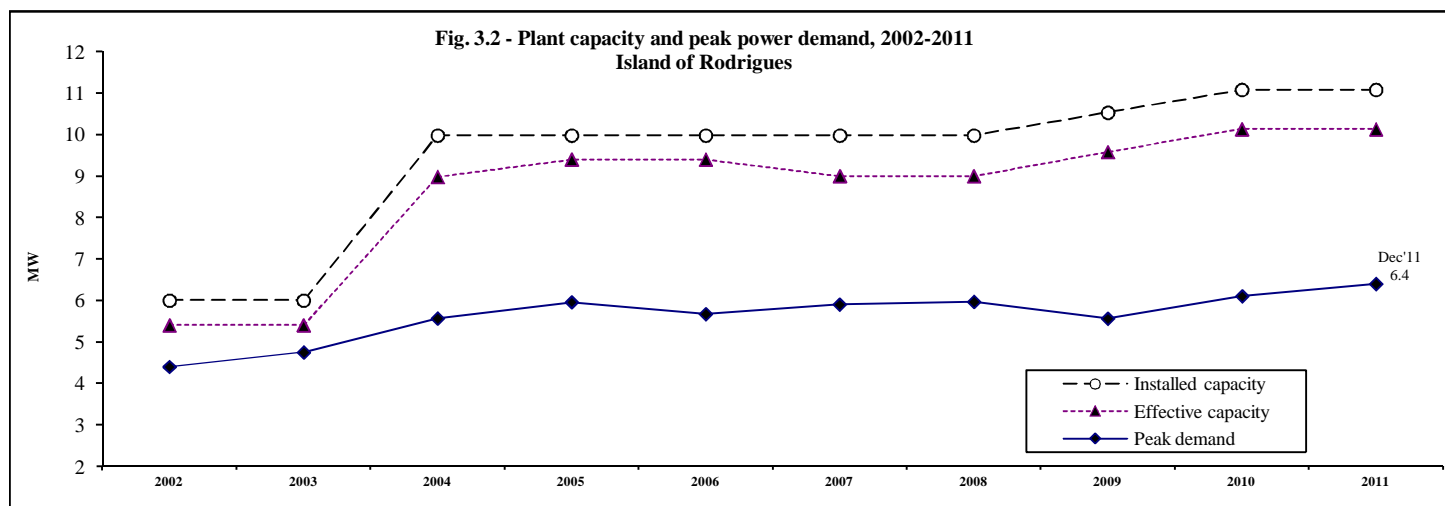
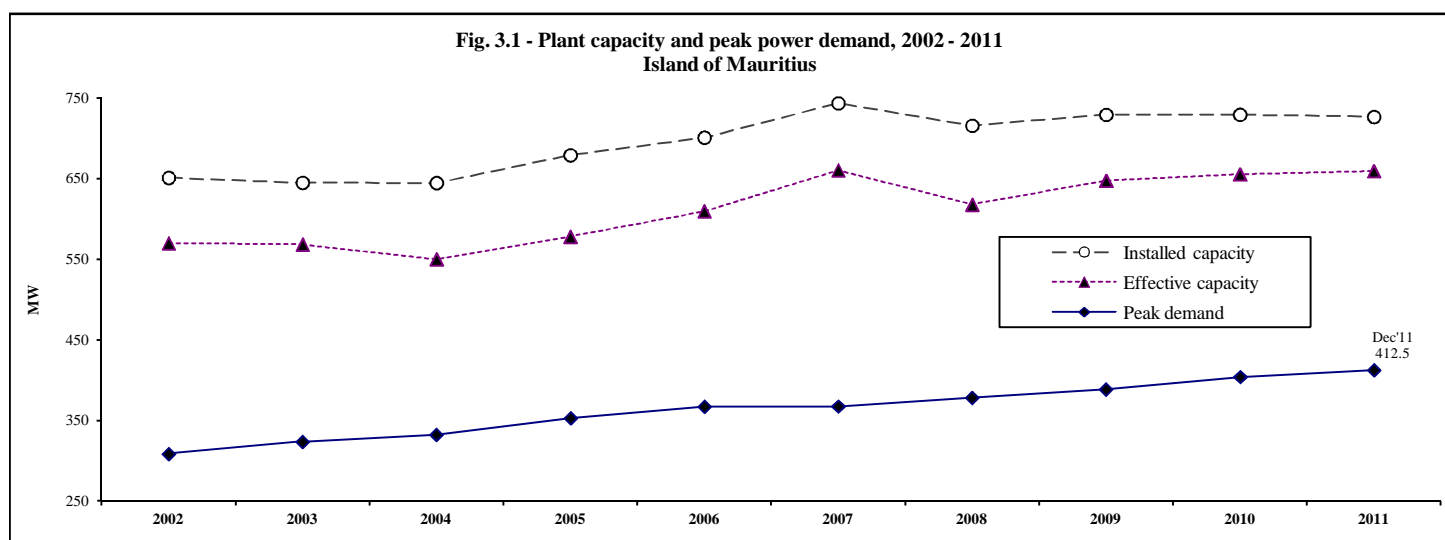


Table 3.2 - Plant capacity, 2011

Central Electricity Board (CEB)			Independent Power Producers (IPP)		
	Plant capacity (MW)			Plant capacity (MW)	
	Installed	Effective		Installed	Effective
Hydro:			Thermal:		
Champagne	30.0	28.0	<u>Firm producers¹</u>	258.8	240.5
Ferney	10.0	10.0	F.U.E.L.	36.7	33.0
Tamarind Falls	11.1	7.0	Compagnie Thermique de Belle Vue	71.2	62.0
Le Val	4.0	4.0	Consolidated Energy Limited	28.4	25.5
Reduit	1.2	1.0	Compagnie Thermique du Sud	32.5	30.0
Cascade Cecile	1.0	1.0	Compagnie Thermique de Savannah	90.0	90.0
Magenta	0.9	0.9	<u>Continuous producers²</u>	27.0	23.6
La Nicoliere F.C	0.4	0.4	Medine	13.0	10.0
La Ferme	1.2	1.2	Mon Loisir	14.0	13.6
Total	59.8	53.5	<u>Landfill gas</u>		
Wind:			Sotravic Ltd	2.0	2.0
Island of Rodrigues	1.3	1.3	Island of Rodrigues	9.8	8.9
Thermal:			Total	388.6	348.5
<u>Island of Mauritius</u>	378.8	339.6	Total	449.7	403.3
St Louis	113.2	78.6	Total	287.8	266.1
Fort Victoria	49.6	48.0	Total plant capacity	Installed	Effective
Nicolay	78.0	76.0	1. Island of Mauritius	726.4	659.2
Fort George	138.0	137.0	<i>CEB</i>	438.6	393.1
Island of Rodrigues	9.8	8.9	<i>IPP</i>	287.8	266.1
Total	388.6	348.5	<i>of which involved in export to CEB</i>	278.7	227.5
Total	449.7	403.3	2. Island of Rodrigues (CEB)	11.1	10.1
			Total	737.5	669.3

1 Producing electricity all year round with bagasse/coal

2 Producing electricity with bagasse only during crop season

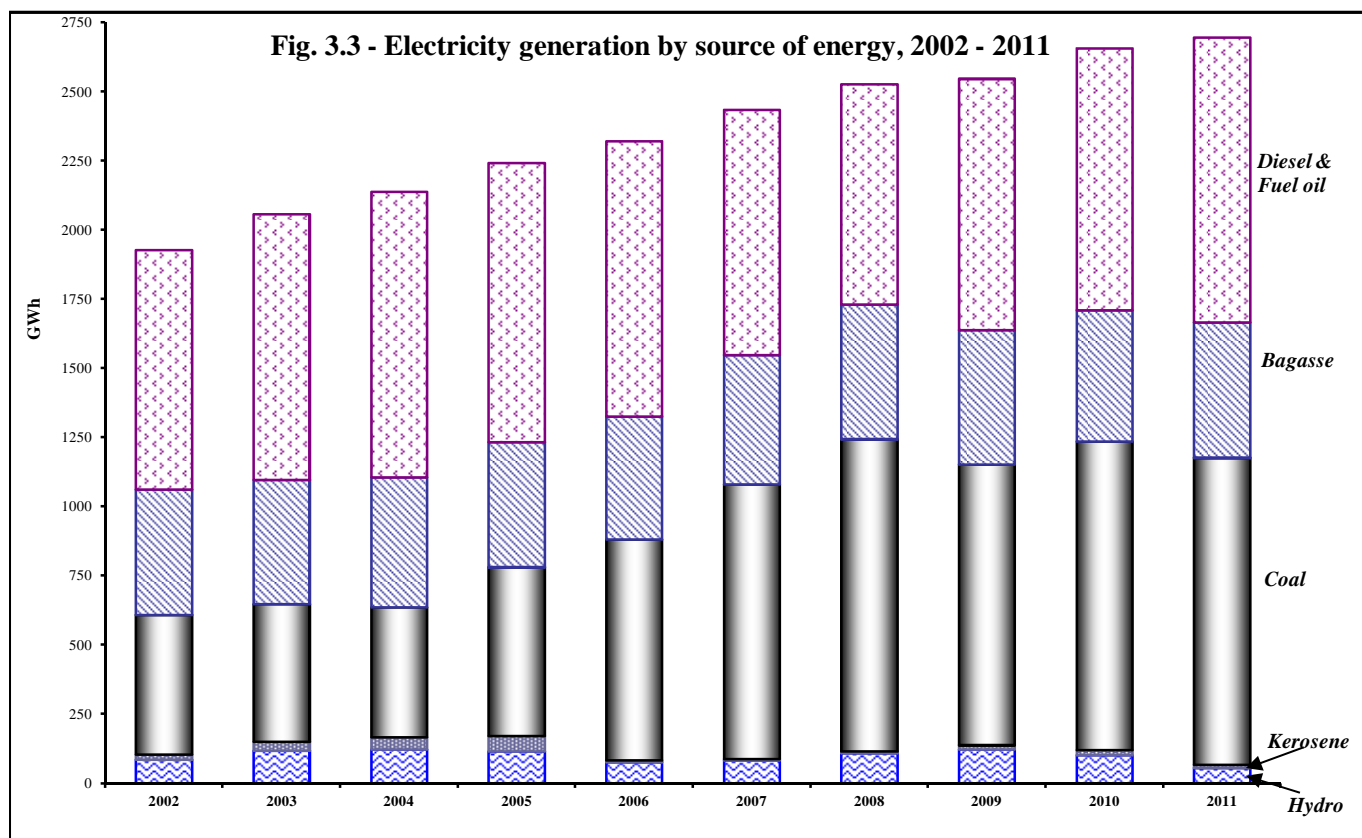


Table 3.5 - Generation of electricity by CEB and IPP, 2002 - 2011

	GWh									
Power station	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
CEB	991.0	1,134.9	1,225.3	1,209.5	1,106.1	1,003.1	942.1	1,077.2	1,098.8	1,129.6
Hydro	85.6	117.7	122.3	114.9	76.6	83.9	108.0	122.4	100.7	56.5
Wind	-	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5	2.8
<i>Island of Rodrigues</i>	-	-	0.4	0.4	0.4	0.4	0.4	1.5	2.5	2.8
Thermal	905.4	1,017.2	1,102.6	1,094.2	1,029.1	918.9	833.7	953.2	995.5	1,070.3
<i>Island of Mauritius</i>	882.8	992.8	1,075.8	1,064.6	998.7	888.4	802.9	923.0	966.0	1,040.0
<i>Island of Rodrigues</i>	22.6	24.4	26.8	29.6	30.3	30.5	30.8	30.2	29.6	30.3
IPP	957.9	946.6	939.9	1,062.6	1,244.1	1,461.5	1,615.1	1,500.3	1,589.9	1,600.9
Hydro	0.3	0.1	0.0	-	-	-	-	-	-	-
<i>Of which : exported to CEB</i>	0.0	-	-	-	-	-	-	-	-	-
Thermal ¹	957.6	946.5	939.9	1,062.6	1,244.1	1,461.5	1,615.1	1,500.3	1,589.9	1,600.9
<i>Of which : exported to CEB</i>	746.7	729.4	725.1	835.4	1,015.7	1,226.7	1,365.1	1,228.6	1,309.4	1,336.7
Coal (<i>Firm producers</i> ²)	447.6	433.4	407.2	533.8	719.5	879.9	998.7	875.0	966.6	981.0
Bagasse	299.1	296.1	317.9	301.6	296.2	346.8	366.4	353.6	342.8	352.6
<i>Firm producers</i> ²	171.1	176.2	191.0	185.0	182.6	302.8	346.7	313.6	308.0	332.0
<i>Continuous producers</i> ³	128.0	119.9	127.0	116.6	113.6	44.0	19.7	40.0	34.8	20.6
Landfill gas	-	-	-	-	-	-	-	-	-	3.1
Total	1,948.9	2,081.5	2,165.2	2,272.1	2,350.2	2,464.6	2,557.2	2,577.4	2,688.7	2,730.4
<i>of which renewables</i>	537.7	566.6	592.3	568.2	522.8	552.2	594.8	608.9	577.3	551.9
Island of Mauritius										
CEB	968.4	1,110.5	1,198.1	1,179.5	1,075.4	972.3	911.0	1,045.5	1,066.7	1,096.4
IPP export to CEB	746.7	729.4	725.1	835.4	1,015.7	1,226.7	1,365.1	1,228.6	1,309.4	1,336.7
Total available for sales	1,715.1	1,840.0	1,923.2	2,014.9	2,091.1	2,198.9	2,276.1	2,274.1	2,376.1	2,433.2
<i>of which renewables</i>	384.7	413.8	440.2	416.5	372.8	430.7	474.4	476.0	443.5	409.1

¹ Estimates

² Producing electricity all year round with bagasse/coal

³ Producing electricity with bagasse only during crop season

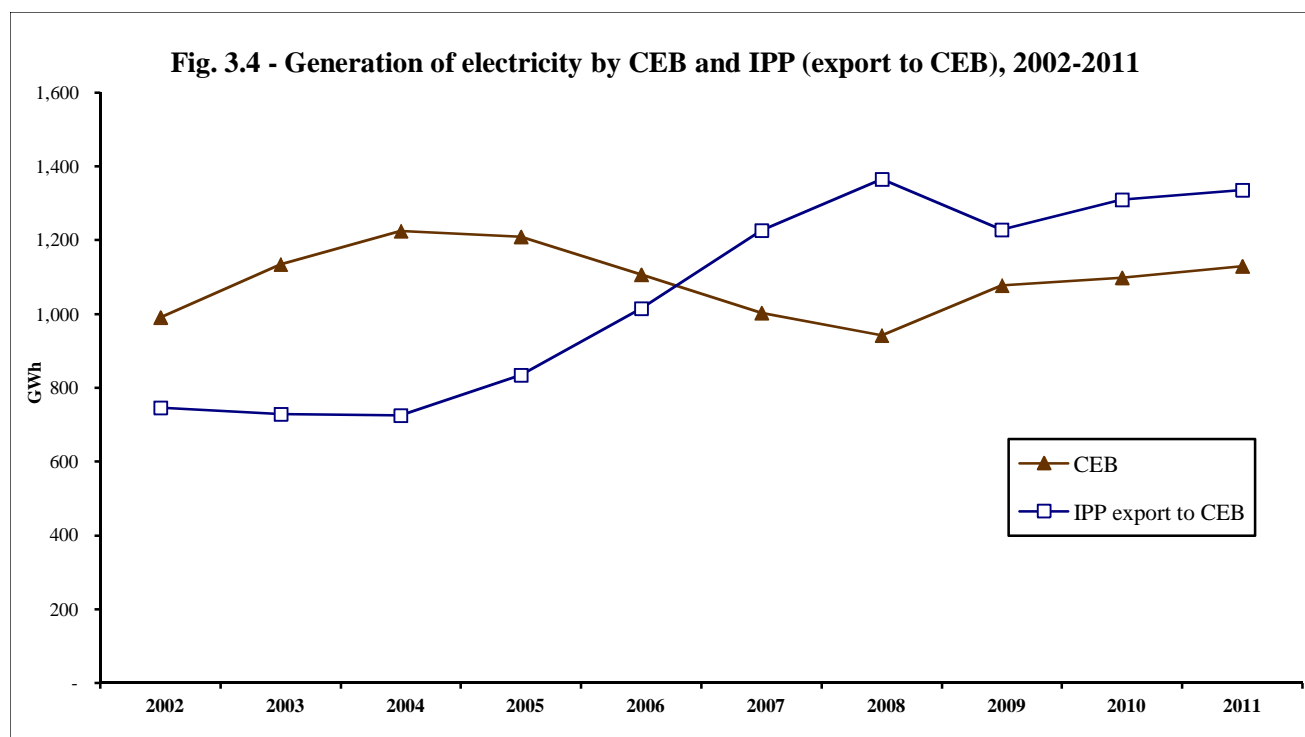


Table 3.6 - Percentage share of electricity generated by CEB and IPP, 2002- 2011

	%									
Power station	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
CEB	50.8	54.5	56.6	53.2	47.1	40.7	36.8	41.8	40.9	41.4
Hydro	4.4	5.7	5.6	5.1	3.3	3.4	4.2	4.7	3.7	2.1
Wind	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
<i>Island of Rodrigues</i>	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Thermal	46.5	48.9	50.9	48.2	43.8	37.3	32.6	37.0	37.0	39.2
<i>Island of Mauritius</i>	45.3	47.7	49.7	46.9	42.5	36.0	31.4	35.8	35.9	38.1
<i>Island of Rodrigues</i>	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.1	1.1
IPP	49.2	45.5	43.4	46.8	52.9	59.3	63.2	58.2	59.1	58.6
Hydro	0.26	0.09	0.01	-	-	-	-	-	-	-
<i>Of which : exported to CEB</i>	0.00	-	-	-	-	-	-	-	-	-
Thermal	49.1	45.5	43.4	46.8	52.9	59.3	63.2	58.2	59.1	58.6
<i>Of which : exported to CEB</i>	38.3	35.0	33.5	36.8	43.2	49.8	53.4	47.7	48.7	49.0
Coal (<i>Firm producers</i> ¹)	23.0	20.8	18.8	23.5	30.6	35.7	39.1	34.0	36.0	35.9
Bagasse	15.3	14.2	14.7	13.3	12.6	14.1	14.3	13.7	12.7	12.9
<i>Firm producers</i> ¹	8.8	8.5	8.8	8.1	7.8	12.3	13.6	12.2	11.5	12.2
<i>Continuous producers</i> ²	6.6	5.8	5.9	5.1	4.8	1.8	0.8	1.6	1.3	0.8
Landfill gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>of which renewables</i>	27.6	27.2	27.4	25.0	22.2	22.4	23.3	23.6	21.5	20.1
Island of Mauritius										
CEB	56.5	60.4	62.3	58.5	51.4	44.2	40.0	46.0	44.9	45.1
IPP export to CEB	43.5	39.6	37.7	41.5	48.6	55.8	60.0	54.0	55.1	54.9
Total available for sales	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<i>of which renewables</i>	22.4	22.5	22.9	20.7	17.8	19.6	20.8	20.9	18.7	16.8

¹ Producing electricity **all year** round with bagasse/coal

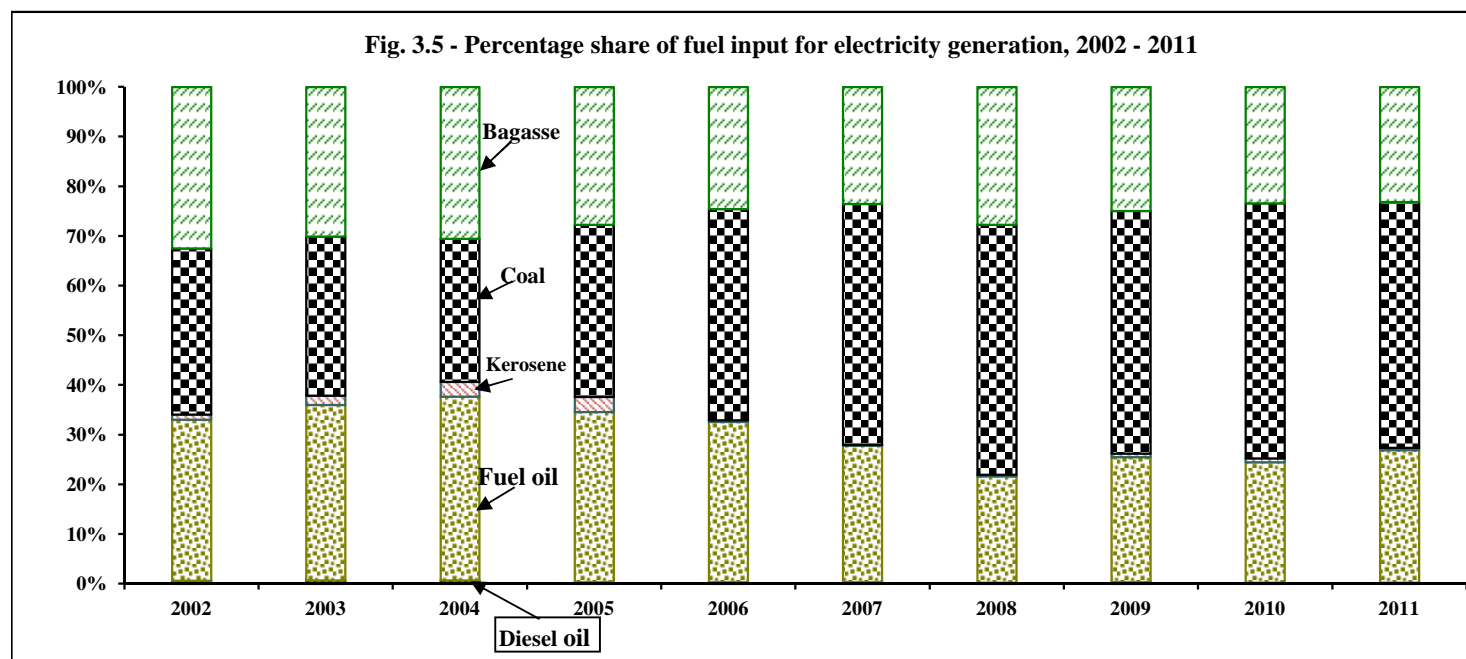
² Producing electricity with bagasse **only** during crop season

Table 3.7 - Fuel input for electricity generation, 2002 - 2011

Fuel	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Island of Mauritius										
Tonne										
Fuel oil	174,945	200,067	215,290	210,144	219,969	195,081	160,359	183,678	190,108	207,576
Diesel oil	2,771	2,423	2,335	1,909	2,232	2,638	1,721	2,558	1,875	1,354
Kerosene	5,443	9,864	16,555	17,731	1,848	1,067	2,095	4,924	6,008	3,659
Coal	286,886	287,176	265,128	340,675	462,784	552,632	609,745	574,141	643,049	617,297
Bagasse ¹	1,081,661	1,046,794	1,092,823	1,055,742	1,036,598	1,040,286	1,300,939	1,135,588	1,140,383	1,119,040
Island of Rodrigues										
Fuel oil	4,671	4,392	4,777	6,909	6,572	6,740	7,188	6,926	6,774	6,941
Diesel oil	710	1,472	1,633	217	299	108	180	203	122	169
Island of Mauritius										
Ktoe										
Fuel oil	167.95	192.06	206.68	201.74	211.17	187.28	153.94	176.33	182.50	199.27
Diesel oil	2.80	2.45	2.36	1.93	2.25	2.66	1.74	2.58	1.89	1.37
Kerosene	5.66	10.26	17.22	18.44	1.92	1.11	2.18	5.12	6.25	3.81
Coal	177.87	178.05	164.38	211.22	286.93	342.63	378.04	355.97	398.69	382.72
Bagasse	173.07	167.49	174.85	168.92	165.86	166.45	208.15	181.69	182.46	179.05
Sub total	527.34	550.31	565.48	602.24	668.13	700.13	744.05	721.70	771.80	766.22
Island of Rodrigues										
Fuel oil	4.48	4.22	4.59	6.63	6.31	6.47	6.90	6.65	6.50	6.66
Diesel oil	0.72	1.49	1.65	0.22	0.30	0.11	0.18	0.21	0.12	0.17
Sub total	5.20	5.70	6.24	6.85	6.61	6.58	7.08	6.85	6.63	6.83
Total	532.54	556.01	571.72	609.10	674.74	706.71	751.14	728.55	778.42	773.05
Island of Mauritius										
Percentage										
Fuel oil	31.5	34.5	36.2	33.1	31.3	26.5	20.5	24.2	23.4	25.8
Diesel oil	0.5	0.4	0.4	0.3	0.3	0.4	0.2	0.4	0.2	0.2
Kerosene	1.1	1.8	3.0	3.0	0.3	0.2	0.3	0.7	0.8	0.5
Coal	33.4	32.0	28.8	34.7	42.5	48.5	50.3	48.9	51.2	49.5
Bagasse	32.5	30.1	30.6	27.7	24.6	23.6	27.7	24.9	23.4	23.2
Sub total	99.0	99.0	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1
Island of Rodrigues										
Fuel oil	0.8	0.8	0.8	1.1	0.9	0.9	0.9	0.9	0.8	0.9
Diesel oil	0.1	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sub total	1.0	1.0	1.1	1.1	1.0	0.9	0.9	0.9	0.9	0.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

¹ Estimates

Fig. 3.5 - Percentage share of fuel input for electricity generation, 2002 - 2011



Section IV

Final energy consumption

Table 4.1 - Final energy consumption by sector (Energy unit), 2000 - 2011

	ktoe											
Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. Manufacturing	245.76	258.05	244.75	257.98	255.42	244.61	266.61	259.36	243.49	220.45	231.16	221.76
2. Transport	360.00	376.67	368.55	394.51	412.56	422.63	429.99	415.60	410.65	394.89	421.59	435.17
3. Commercial and Distributive Trade	36.93	40.78	41.71	47.67	51.53	55.66	62.67	65.23	69.05	72.29	76.44	80.66
4. Household	99.20	101.84	102.80	107.03	110.95	115.43	108.86	108.77	110.15	113.11	116.89	117.40
5. Agriculture	4.77	4.79	4.82	4.75	4.44	4.70	4.78	4.90	4.48	4.07	4.40	4.30
6. Other (n.e.s) and losses	2.05	2.30	2.43	2.92	3.22	3.05	3.39	3.64	3.81	3.76	3.53	2.97
TOTAL	748.71	784.43	765.05	814.87	838.12	846.08	876.30	857.50	841.63	808.57	854.01	862.26

Table 4.2 - Percentage share of final energy consumption by sector, 2000 - 2011

	%											
Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. Manufacturing	32.8	32.9	32.0	31.7	30.5	28.9	30.4	30.2	28.9	27.3	27.1	25.7
2. Transport	48.1	48.0	48.2	48.4	49.2	50.0	49.1	48.5	48.8	48.8	49.4	50.5
3. Commercial and Distributive Trade	4.9	5.2	5.5	5.9	6.1	6.6	7.2	7.6	8.2	8.9	9.0	9.4
4. Household	13.2	13.0	13.4	13.1	13.2	13.6	12.4	12.7	13.1	14.0	13.7	13.6
5. Agriculture	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5
6. Other (n.e.s) and losses	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.3
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

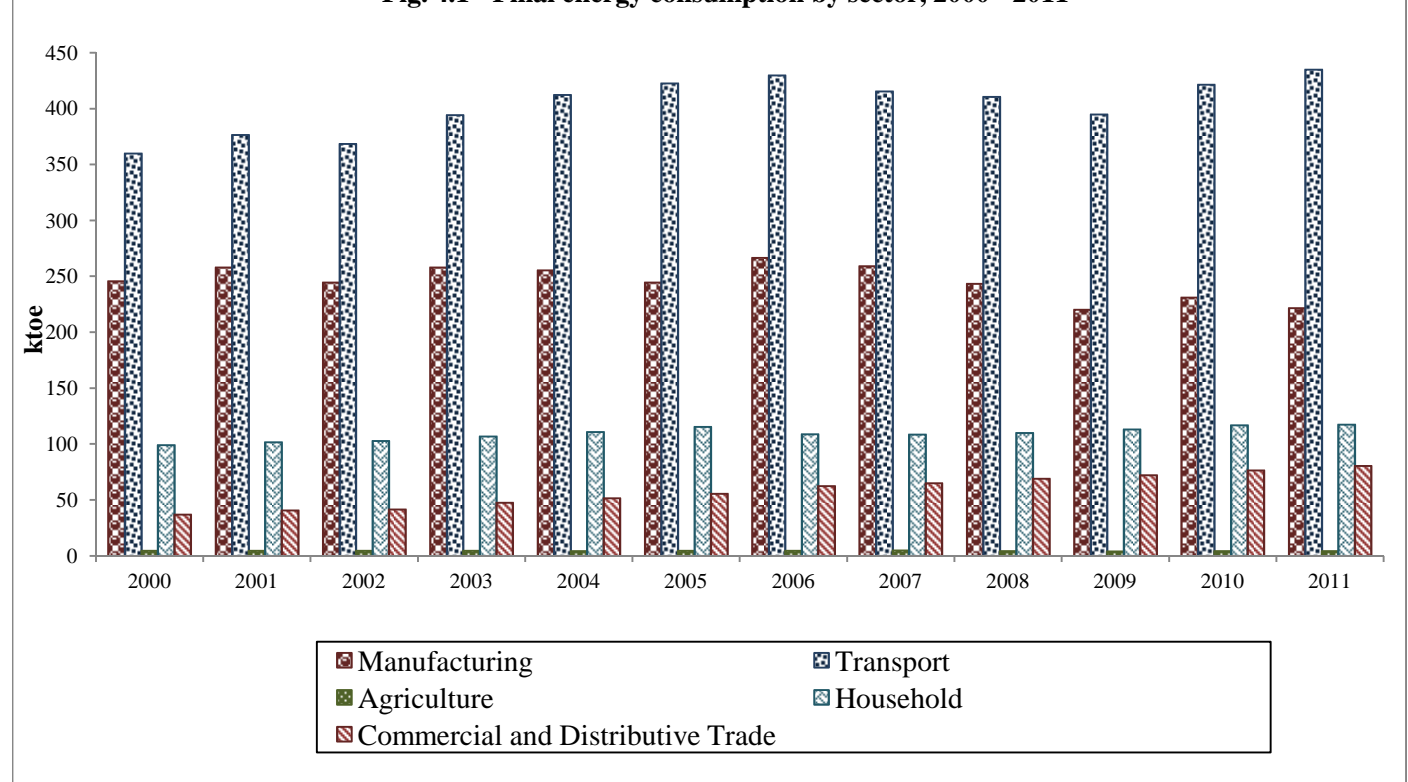
Fig. 4.1 - Final energy consumption by sector, 2000 - 2011

Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 2000 - 2011

Sector	Unit	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. Manufacturing													
1.1 excluding bagasse													
Fuel oil	tonne	44,699	56,083	56,831	51,166	45,868	42,554	53,743	55,722	50,268	43,078	41,472	40,442
Diesel oil	tonne	41,600	37,533	37,409	41,273	43,372	41,127	49,767	48,336	46,301	45,882	46,543	43,094
LPG	tonne	3,689	3,650	3,502	2,964	2,756	3,904	3,965	4,068	4,920	5,007	5,122	5,238
Coal	tonne	24,464	25,781	25,888	29,000	24,220	23,162	21,666	19,964	41,672	21,572	24,786	24,091
Fuelwood	tonne	1,500	1,500	1,450	1,430	1,415	1,400	1,425	1,425	1,425	1,426	1,426	1,425
Electricity	GWh	651.6	711.4	711.7	742.2	768.9	778.3	841.2	879.6	912.9	897.2	934.3	921.1
1.2 Bagasse	tonne	531,800	529,000	442,722	510,246	518,379	476,198	463,563	400,646	239,276	226,759	265,988	244,288
2. Transport													
Land													
Gasolene	tonne	89,100	85,042	85,028	86,284	88,011	89,498	86,886	96,463	98,867	108,871	115,266	117,370
Diesel oil	tonne	140,512	144,364	152,363	160,138	162,971	165,344	172,504	150,717	151,840	152,631	159,471	159,904
LPG	tonne	633	820	1,216	2,223	2,691	6,726	6,887	6,633	5,184	4,587	4,641	4,502
Air													
Jet Fuel	tonne	108,082	124,652	108,972	123,627	137,002	137,560	141,053	138,104	131,631	106,246	118,553	129,170
Sea													
Fuel Oil	tonne	4,301	4,547	4,608	4,449	3,989	4,209	4,355	4,845	4,371	3,746	3,537	3,449
Gasolene	tonne	2,900	2,707	2,479	2,958	2,339	3,175	2,231	2,477	2,539	2,796	2,960	3,014
Diesel oil	tonne	1,488	1,191	1,074	1,129	1,149	1,166	1,185	1,062	1,070	1,076	1,124	1,127
3. Commercial and Distributive Trade													
LPG	tonne	4,150	4,450	4,559	5,749	6,372	6,985	11,436	10,927	10,094	10,575	10,925	11,260
Charcoal	tonne	300	330	340	350	360	380	393	407	422	437	453	469
Electricity	GWh	374.9	415.5	424.9	479.3	516.2	556.4	581.8	617.9	672.7	704.2	748.0	792.6
4. Household													
Kerosene	tonne	9,600	9,480	8,409	8,265	8,726	9,765	3,923	1,238	1,772	1,476	1,731	515
LPG	tonne	37,710	37,850	39,023	40,559	42,856	43,206	41,599	42,088	42,394	43,237	44,059	44,640
Fuelwood	tonne	16,000	15,900	15,850	15,780	15,940	16,540	17,473	17,497	16,726	16,619	16,597	16,336
Charcoal	tonne	150	150	130	125	120	130	123	126	119	119	119	116
Electricity	GWh	491.9	522.8	532.5	564.6	575.0	607.5	617.9	643.0	652.2	680.1	710.7	725.3
5. Agriculture													
Diesel oil	tonne	2,400	2,460	2,430	2,410	2,375	2,345	2,289	2,456	2,241	2,286	2,325	2,344
Electricity	GWh	27.2	26.8	27.5	27.0	23.8	27.1	28.7	28.2	25.8	20.5	23.8	22.5

Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 2000 - 2011

	ktoe											
Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. Manufacturing	245.8	258.0	244.8	258.0	255.4	244.6	266.6	259.4	243.5	220.4	231.2	221.8
1.1 excluding bagasse	160.7	173.4	173.9	176.3	172.5	168.4	192.4	195.3	205.2	184.2	188.6	182.7
Fuel oil	42.9	53.8	54.6	49.1	44.0	40.9	51.6	53.5	48.3	41.4	39.8	38.8
Diesel oil	42.0	37.9	37.8	41.7	43.8	41.5	50.3	48.8	46.8	46.3	47.0	43.5
LPG	4.0	3.9	3.8	3.2	3.0	4.2	4.3	4.4	5.3	5.4	5.5	5.7
Coal	15.2	16.0	16.1	18.0	15.0	14.4	13.4	12.4	25.8	13.4	15.4	14.9
Fuelwood	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Electricity	56.0	61.2	61.2	63.8	66.1	66.9	72.3	75.6	78.5	77.1	80.3	79.2
1.2 Bagasse	85.1	84.6	70.8	81.6	82.9	76.2	74.2	64.1	38.3	36.3	42.6	39.1
2. Transport	360.0	376.7	368.5	394.5	412.6	422.6	430.0	415.6	410.6	394.9	421.6	435.2
Land	238.8	238.5	247.0	257.3	262.6	270.9	275.5	263.6	265.7	276.7	290.6	293.1
Gasolene	96.2	91.8	91.8	93.2	95.1	96.7	93.8	104.2	106.8	117.6	124.5	126.8
Diesel oil	141.9	145.8	153.9	161.7	164.6	167.0	174.2	152.2	153.4	154.2	161.1	161.5
LPG	0.7	0.9	1.3	2.4	2.9	7.3	7.4	7.2	5.6	5.0	5.0	4.9
Air	112.4	129.6	113.3	128.6	142.5	143.1	146.7	143.6	136.9	110.5	123.3	134.3
Jet fuel	112.4	129.6	113.3	128.6	142.5	143.1	146.7	143.6	136.9	110.5	123.3	134.3
Sea	8.8	8.5	8.2	8.6	7.5	8.6	7.8	8.4	8.0	7.7	7.7	7.7
Fuel Oil	4.1	4.4	4.4	4.3	3.8	4.0	4.2	4.7	4.2	3.6	3.4	3.3
Gasolene	3.1	2.9	2.7	3.2	2.5	3.4	2.4	2.7	2.7	3.0	3.2	3.3
Diesel oil	1.5	1.2	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
3. Commercial and Distributive Trade	36.9	40.8	41.7	47.7	51.5	55.7	62.7	65.2	69.1	72.3	76.4	80.7
LPG	4.5	4.8	4.9	6.2	6.9	7.5	12.4	11.8	10.9	11.4	11.8	12.2
Charcoal	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electricity	32.2	35.7	36.5	41.2	44.4	47.8	50.0	53.1	57.8	60.6	64.3	68.1
4. Household	99.2	101.8	102.8	107.0	111.0	115.4	108.9	108.8	110.2	113.1	116.9	117.4
Kerosene	10.0	9.9	8.8	8.6	9.1	10.2	4.1	1.3	1.8	1.5	1.8	0.5
LPG	40.7	40.9	42.1	43.8	46.3	46.7	44.9	45.5	45.8	46.7	47.6	48.2
Fuelwood	6.1	6.0	6.0	6.0	6.1	6.3	6.6	6.7	6.4	6.3	6.3	6.2
Charcoal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	42.3	45.0	45.8	48.5	49.4	52.2	53.1	55.3	56.1	58.5	61.1	62.4
5. Agriculture	4.8	4.8	4.8	4.8	4.4	4.7	4.8	4.9	4.5	4.1	4.4	4.3
Diesel oil	2.4	2.5	2.5	2.4	2.4	2.4	2.3	2.5	2.3	2.3	2.3	2.4
Electricity	2.3	2.3	2.4	2.3	2.1	2.3	2.5	2.4	2.2	1.8	2.0	1.9
6. Other (n.e.s) and losses	2.1	2.3	2.4	2.9	3.2	3.1	3.4	3.6	3.8	3.8	3.5	3.3
TOTAL	748.7	784.4	765.0	814.9	838.1	846.1	876.3	857.5	841.6	808.6	854.0	862.3

Table 4.5 - Percentage share of final energy consumption in ktOE by sector and type of fuel, 2000 - 2011

	%											
Sector	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
1. Manufacturing	32.9	32.9	32.0	31.7	30.5	28.9	30.4	30.2	28.9	27.3	27.1	25.7
1.1 Excluding bagasse	21.5	22.1	22.7	21.6	20.6	19.9	22.0	22.8	24.4	22.8	22.1	21.2
Fuel oil	5.7	6.9	7.1	6.0	5.3	4.8	5.9	6.2	5.7	5.1	4.7	4.5
Diesel oil	5.6	4.8	4.9	5.1	5.2	4.9	5.7	5.7	5.6	5.7	5.5	5.0
LPG	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.6	0.7	0.6	0.7
Coal	2.0	2.0	2.1	2.2	1.8	1.7	1.5	1.4	3.1	1.7	1.8	1.7
Fuelwood	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	7.5	7.8	8.0	7.8	7.9	7.9	8.3	8.8	9.3	9.5	9.4	9.2
1.2 Bagasse	11.4	10.8	9.3	10.0	9.9	9.0	8.5	7.5	4.5	4.5	5.0	4.5
2. Transport	48.1	48.0	48.2	48.4	49.2	50.0	49.1	48.5	48.8	48.8	49.4	50.5
Land												
Gasolene	12.9	11.7	12.0	11.4	11.3	11.4	10.7	12.1	12.7	14.5	14.6	14.7
Diesel oil	19.0	18.6	20.1	19.8	19.6	19.7	19.9	17.8	18.2	19.1	18.9	18.7
LPG	0.1	0.1	0.2	0.3	0.3	0.9	0.8	0.8	0.7	0.6	0.6	0.6
Air												
Jet fuel	15.0	16.5	14.8	15.8	17.0	16.9	16.7	16.7	16.3	13.7	14.4	15.6
Sea												
Fuel Oil	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4
Gasolene	0.4	0.4	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4
Diesel oil	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
3. Commercial and Distributive Trade	4.9	5.2	5.5	5.9	6.1	6.6	7.2	7.6	8.2	8.9	9.0	9.4
LPG	0.6	0.6	0.6	0.8	0.8	0.9	1.4	1.4	1.3	1.4	1.4	1.4
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	4.3	4.6	4.8	5.1	5.3	5.7	5.7	6.2	6.9	7.5	7.5	7.9
4. Household	13.2	13.0	13.4	13.1	13.2	13.6	12.4	12.7	13.1	14.0	13.7	13.6
Kerosene	1.3	1.3	1.1	1.1	1.1	1.2	0.5	0.2	0.2	0.2	0.2	0.1
LPG	5.4	5.2	5.5	5.4	5.5	5.5	5.1	5.3	5.4	5.8	5.6	5.6
Fuelwood	0.8	0.8	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.7
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	5.6	5.7	6.0	6.0	5.9	6.2	6.1	6.4	6.7	7.2	7.2	7.2
5. Agriculture	0.6	0.6	0.6	0.6	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5
Diesel oil	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Electricity	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
6. Other (n.e.s) and losses	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Fig 4.2 - Final energy consumption by main energy sources, 2000 - 2011

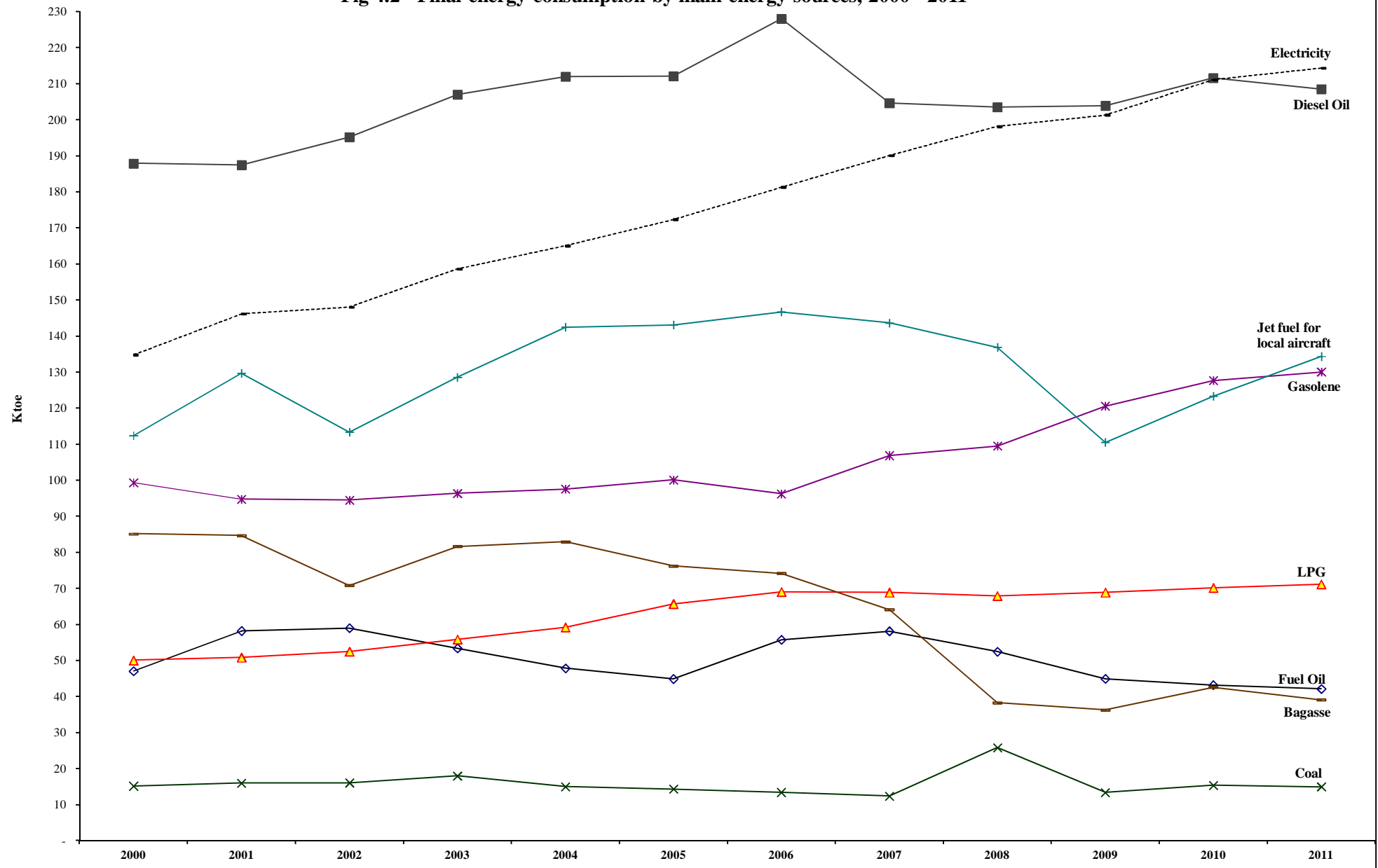


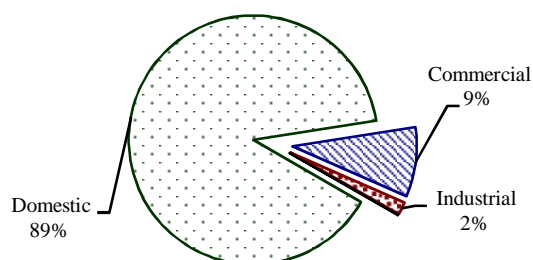
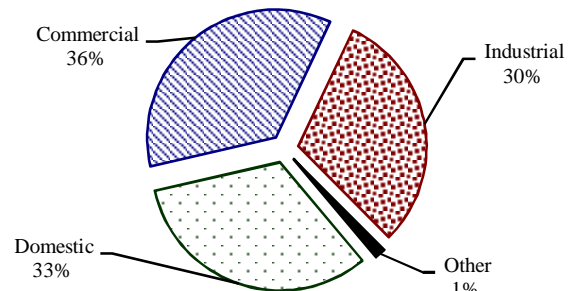
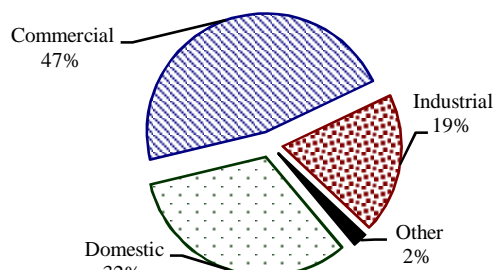
Table 4.7 - Sales of electricity by tariff group, 2002 - 2011 (Republic of Mauritius)

Tariff group	2002	2003	2004	2005	2006	2007	2008	2009 ¹	2010 ¹	2011 ²
Number of consumers										
Domestic	303,620	311,523	319,425	328,726	335,816	343,142	350,627	358,359	364,474	372,315
Commercial	29,030	29,779	30,541	31,891	33,089	34,388	35,721	36,151	36,956	37,685
Industrial	7,164	7,218	7,205	7,316	7,364	7,435	7,295	7,143	7,008	6,818
Other	311	328	335	338	349	356	369	403	429	465
Total	340,125	348,848	357,506	368,271	376,618	385,321	394,012	402,056	408,867	417,283
GWh sold										
Domestic	532.5	564.6	575.0	607.5	617.9	643.0	652.2	680.1	710.7	725.3
Commercial	424.9	479.3	516.2	556.4	581.8	617.9	672.7	704.2	748.0	792.6
Industrial	527.9	552.0	577.9	578.1	641.6	673.0	688.7	646.1	677.6	679.4
Other	24.4	31.0	34.8	35.4	38.5	41.4	40.0	38.9	37.6	30.9
Total	1,509.8	1,626.9	1,703.9	1,777.5	1,879.8	1,975.3	2,053.7	2,069.2	2,173.9	2,228.2
Value sold (Rs.mn)										
Domestic	1,649.8	1,783.6	1,855.7	2,031.8	2,264.1	2,463.6	3,145.5	3,451.6	3,665.9	4,106.3
Commercial	1,707.7	1,928.6	2,091.6	2,312.4	2,779.1	3,109.5	4,439.4	4,827.8	5,178.4	5,917.7
Industrial	1,120.0	1,176.0	1,253.2	1,268.3	1,532.4	1,691.6	2,203.6	2,109.1	2,231.9	2,415.0
Other	104.5	134.6	151.6	159.2	194.3	216.8	275.0	275.6	269.6	242.4
Total	4,582.0	5,022.8	5,352.1	5,771.7	6,769.9	7,481.5	10,063.5	10,664.1	11,345.8	12,681.4
Average sales price (Rs./kWh)										
Domestic	3.10	3.16	3.23	3.34	3.66	3.83	4.82	5.07	5.16	5.66
Commercial	4.02	4.02	4.05	4.16	4.78	5.03	6.60	6.86	6.92	7.47
Industrial	2.12	2.13	2.17	2.19	2.39	2.51	3.20	3.26	3.29	3.55
Other	4.28	4.34	4.35	4.49	5.04	5.24	6.87	7.09	7.17	7.84
Total	3.03	3.09	3.14	3.25	3.60	3.79	4.90	5.15	5.22	5.69
Average no. of units per consumer (kWh)										
Domestic	1,754	1,812	1,800	1,848	1,840	1,874	1,860	1,898	1,950	1,948
Commercial	14,637	16,094	16,903	17,447	17,583	17,970	18,832	19,479	20,239	21,033
Industrial	73,695	76,476	80,204	79,022	87,123	90,514	94,414	90,445	96,692	99,652
Other	78,497	94,594	104,005	104,843	110,409	116,273	108,498	96,429	87,671	66,469
Total	4,439	4,664	4,766	4,827	4,991	5,126	5,212	5,147	5,317	5,340

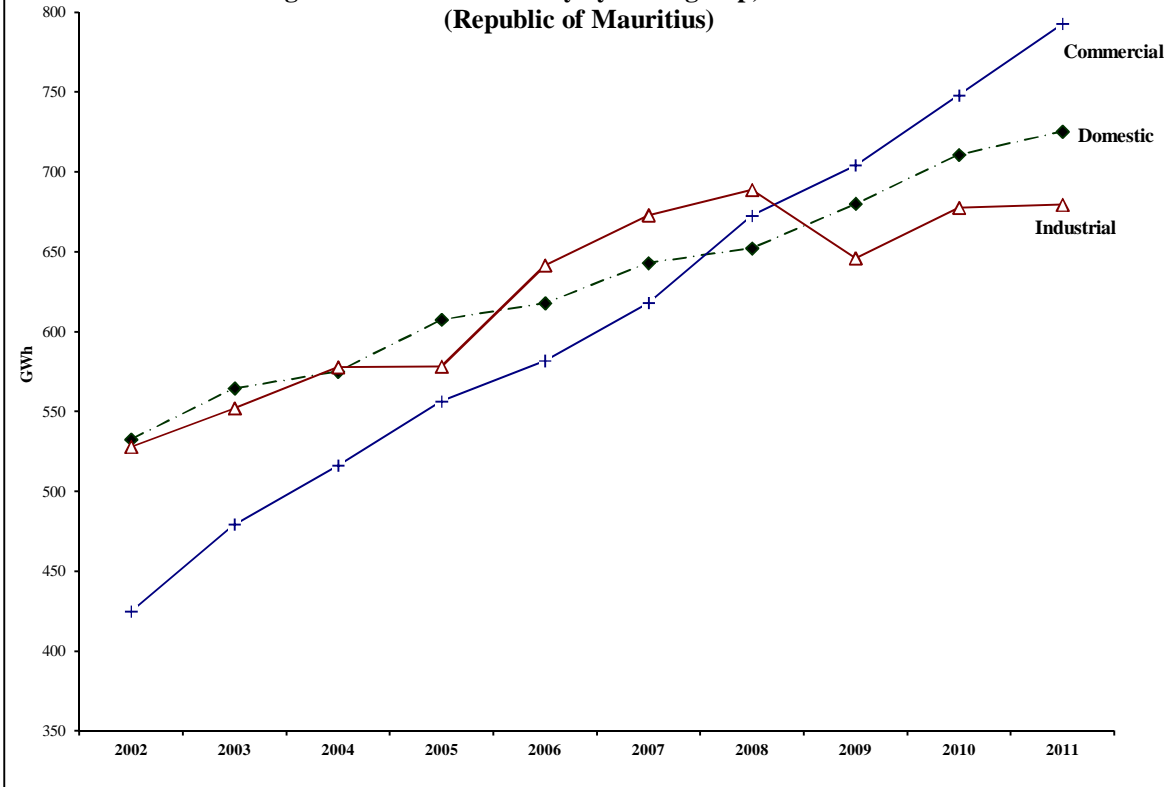
1 Revised

2 Provisional

Source: Central Electricity Board

Fig. 4.3 - Percentage distribution of electricity consumers by tariff group, 2011**Fig. 4.4 - Percentage share of electricity consumed by tariff group, 2011****Fig. 4.5 - Percentage share of sales value of electricity by tariff group, 2011**

**Fig. 4.6 - Sales of electricity by tariff group, 2002 - 2011
(Republic of Mauritius)**



**Fig. 4.7 - Sales value of electricity by tariff group, 2002 - 2011
(Republic of Mauritius)**

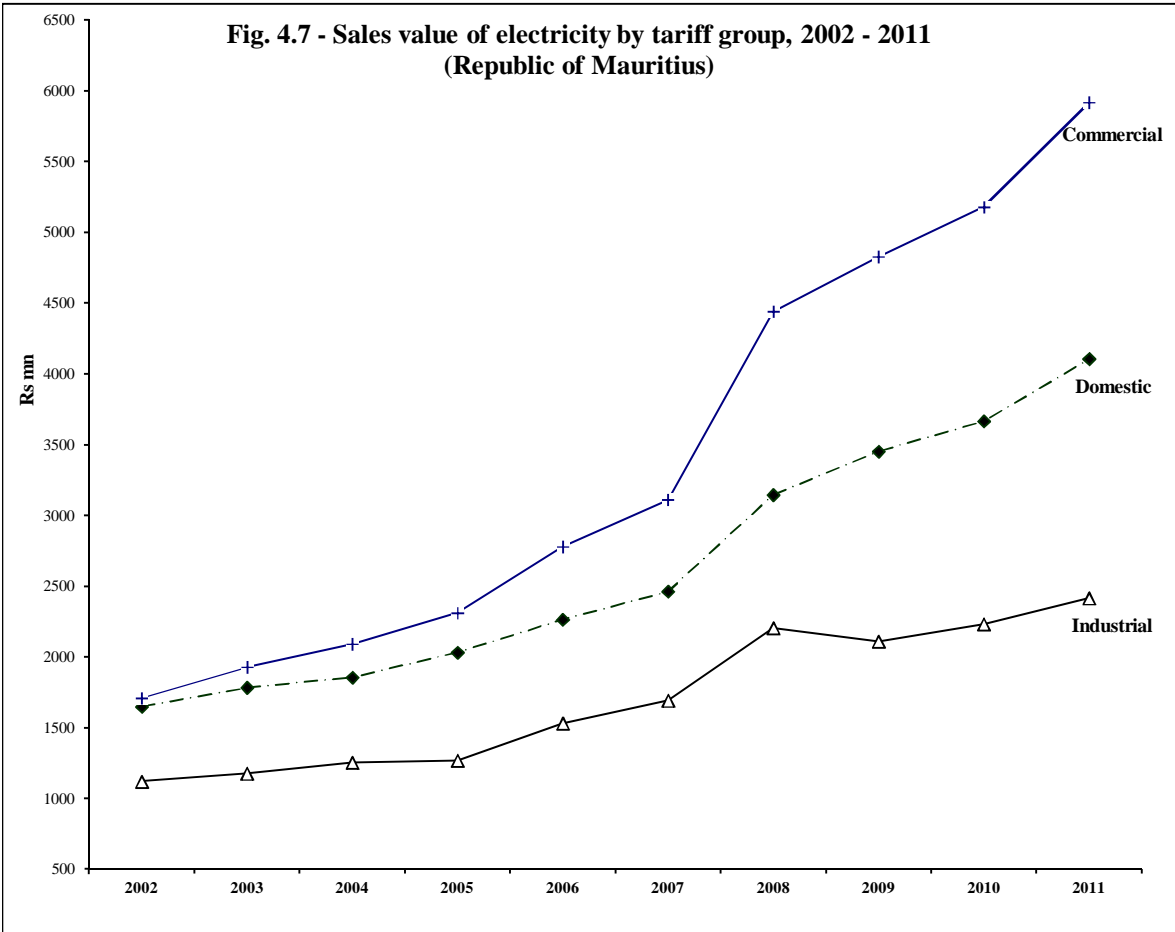


Table 4.8 - Sales of electricity by tariff group, 2002 - 2011 (Island of Mauritius)

Tariff group	2002	2003	2004	2005	2006	2007	2008	2009 ¹	2010 ¹	2011 ²
Number of consumers										
Domestic	294,666	302,387	310,078	319,075	325,830	332,900	340,217	347,757	353,689	361,231
Commercial	28,054	28,797	29,552	30,866	32,060	33,309	34,630	35,051	35,813	36,476
Industrial	6,980	7,057	7,032	7,132	7,176	7,245	7,096	6,932	6,777	6,586
<i>General</i>	6,662	6,681	6,629	6,710	6,729	6,782	6,631	6,454	6,284	6,082
<i>Irrigation</i>	318	376	403	422	447	463	465	478	493	504
Other	305	322	328	331	342	349	362	396	422	458
Total	330,005	338,563	346,990	357,404	365,408	373,803	382,305	390,136	396,701	404,751
GWh sold										
Domestic	521.1	552.6	562.4	593.2	603.4	628.4	637.5	665.3	695.3	709.7
Commercial	419.7	473.0	509.2	548.2	574.1	610.1	664.5	695.7	739.6	784.0
Industrial	526.7	550.6	576.0	575.8	639.7	671.2	687.0	643.9	675.6	677.4
<i>General</i>	499.2	523.7	552.4	549.1	611.0	643.0	661.1	623.5	651.8	654.9
<i>Irrigation</i>	27.4	26.9	23.7	26.8	28.7	28.2	25.8	20.4	23.8	22.5
Other	24.2	30.8	34.5	35.0	38.0	40.8	39.4	38.2	36.9	30.2
<i>Street Lighting</i>	21.8	27.6	30.6	31.6	32.6	33.1	34.0	33.3	30.9	24.4
<i>Temporary</i>	0.1	0.1	0.1	0.4	0.4	0.2	0.2	0.2	0.2	0.2
<i>Miscellaneous</i>	2.2	3.0	3.8	3.0	4.9	7.4	5.2	4.7	5.8	5.6
Total	1,491.7	1,607.0	1,682.0	1,752.2	1,855.1	1,950.5	2,028.4	2,043.1	2,147.5	2,201.4
Value sold (Rs.mn)										
Domestic	1,617.3	1,749.2	1,817.5	1,986.4	2,215.0	2,412.2	3,080.6	3,383.0	3,593.2	4,025.8
Commercial	1,683.1	1,899.3	2,057.5	2,272.1	2,736.0	3,062.7	4,375.0	4,757.8	5,109.2	5,839.9
Industrial	1,116.5	1,171.9	1,248.3	1,262.0	1,526.4	1,685.7	2,195.9	2,100.1	2,223.0	2,405.5
<i>General</i>	1,071.9	1,128.1	1,208.8	1,216.1	1,472.5	1,629.9	2,130.9	2,047.9	2,160.0	2,342.0
<i>Irrigation</i>	44.6	43.8	39.5	45.9	54.0	55.8	64.9	52.2	63.0	63.5
Other	103.5	133.5	150.0	157.0	191.4	213.6	270.4	270.9	264.8	237.1
Total	4,520.3	4,953.9	5,273.3	5,677.6	6,668.8	7,374.3	9,921.9	10,511.8	11,190.3	12,508.3
Average sales price (Rs./kWh)										
Domestic	3.10	3.17	3.23	3.35	3.67	3.84	4.83	5.08	5.17	5.67
Commercial	4.01	4.02	4.04	4.14	4.77	5.02	6.58	6.84	6.91	7.45
Industrial	2.12	2.13	2.17	2.19	2.39	2.51	3.20	3.26	3.29	3.55
<i>General</i>	2.15	2.15	2.19	2.21	2.41	2.53	3.22	3.28	3.31	3.58
<i>Irrigation</i>	1.62	1.63	1.67	1.72	1.88	1.98	2.52	2.55	2.65	2.82
Other	4.28	4.34	4.35	4.49	5.04	5.23	6.87	7.09	7.17	7.84
All tariff	3.03	3.08	3.14	3.24	3.59	3.78	4.89	5.14	5.21	5.68
Average no. of units per consumer (kWh)										
Domestic	1,769	1,828	1,814	1,859	1,852	1,888	1,874	1,913	1,966	1,965
Commercial	14,960	16,426	17,229	17,761	17,907	18,317	19,189	19,847	20,651	21,495
Industrial	75,455	78,022	81,917	80,739	89,139	92,644	96,808	92,893	99,694	102,855
<i>General</i>	74,937	78,382	83,328	81,830	90,794	94,815	99,705	96,604	103,726	107,679
<i>Irrigation</i>	86,313	71,625	58,716	63,398	64,220	60,843	55,497	42,777	48,305	44,641
Other	71,610	85,748	93,190	95,480	95,368	94,979	93,867	84,099	73,227	53,187
All consumers	4,520	4,747	4,848	4,903	5,077	5,218	5,306	5,237	5,413	5,439

1 Revised

2 Provisional

Source: Central Electricity Board

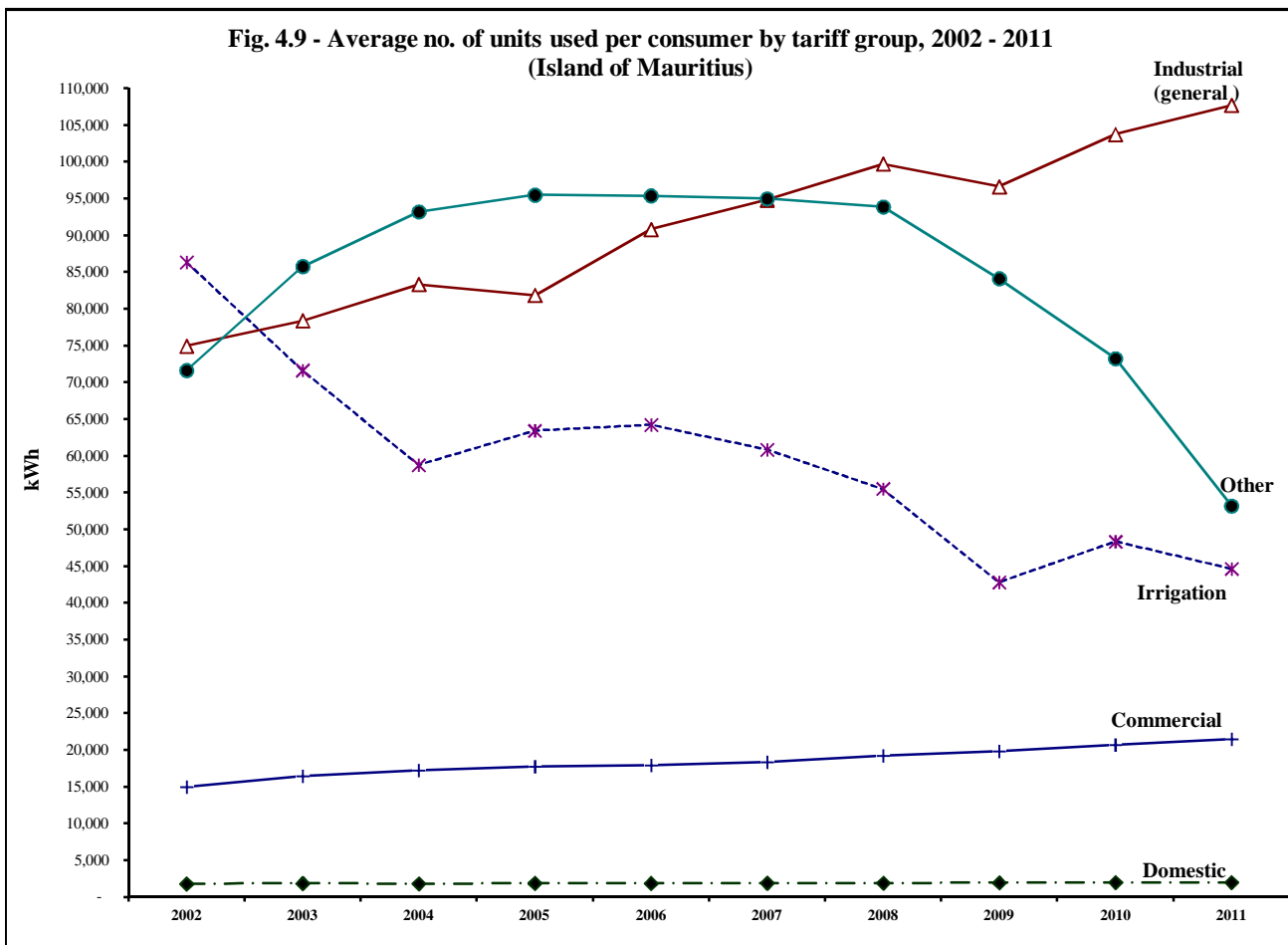
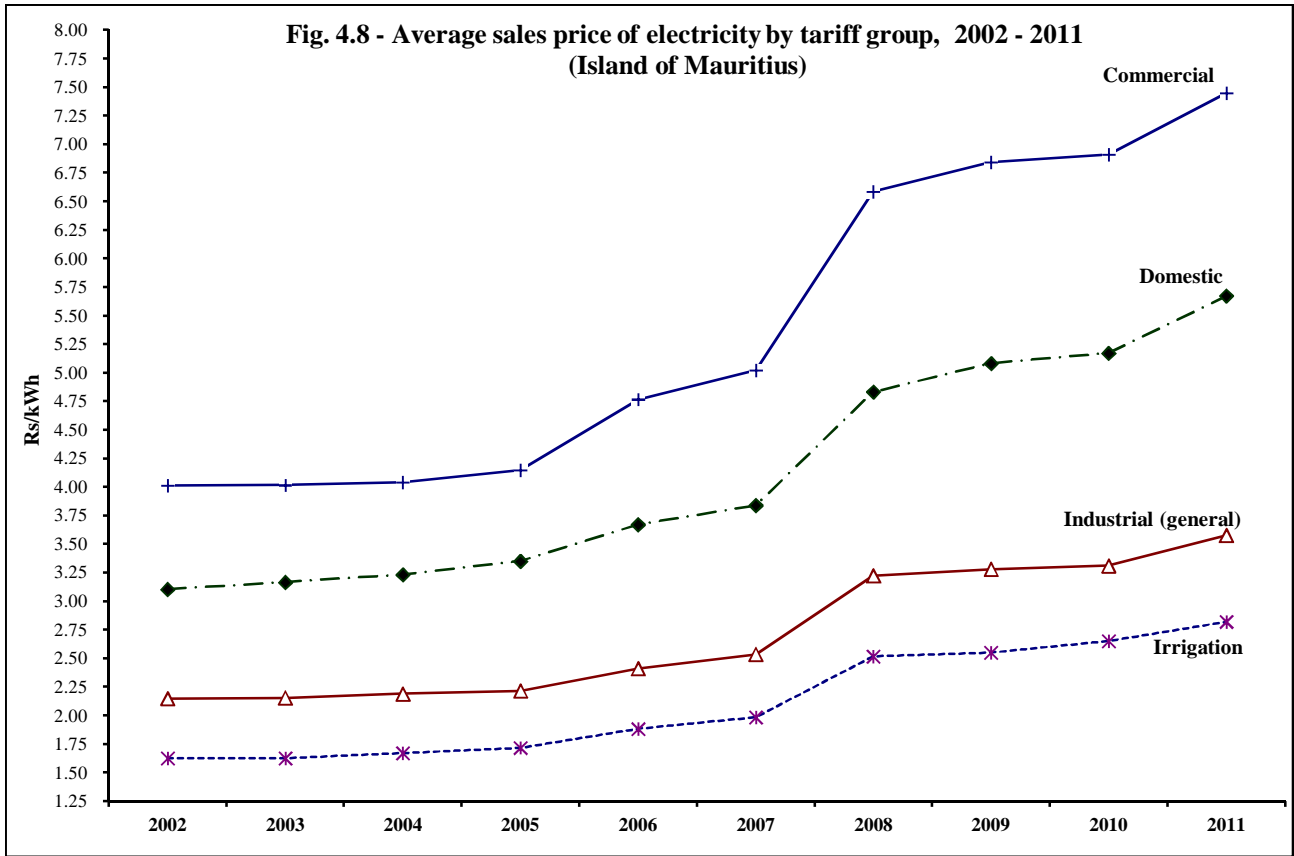


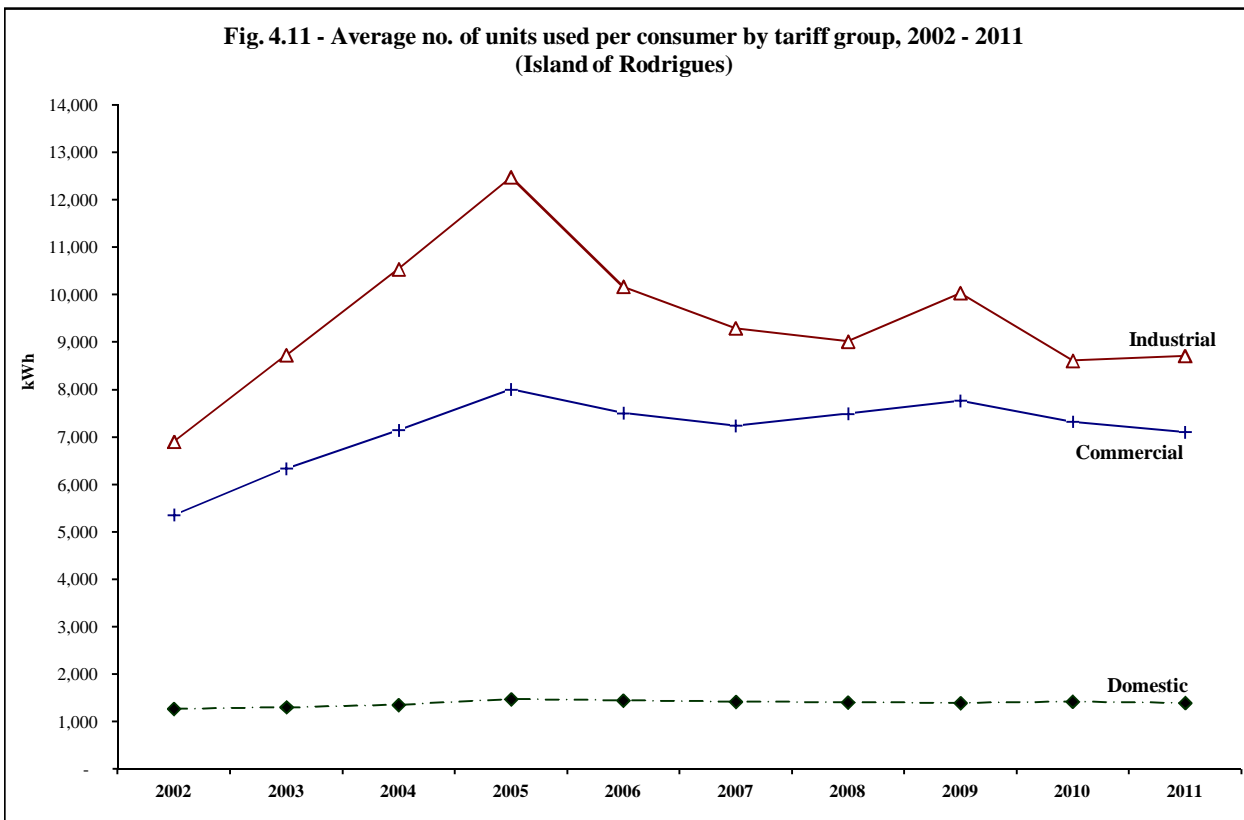
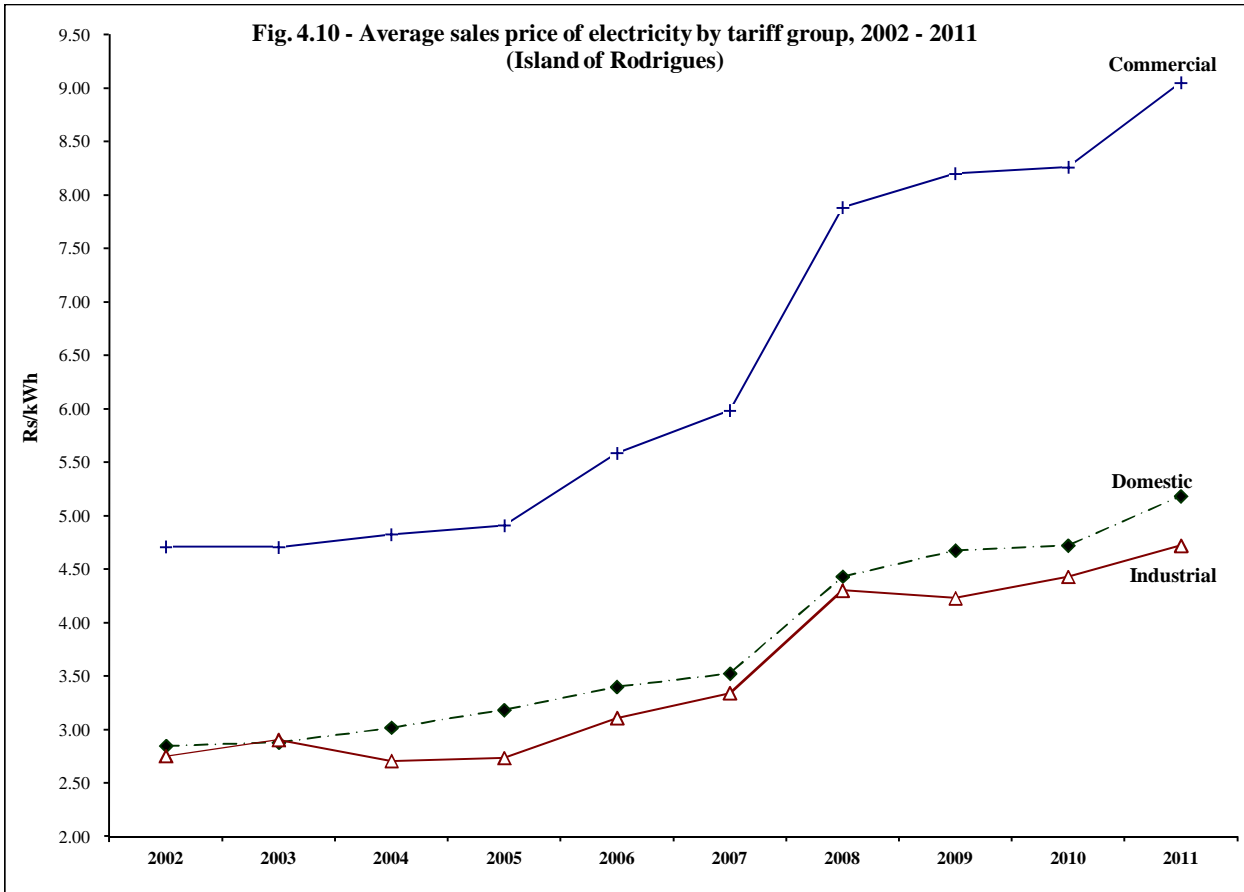
Table 4.9 - Sales of electricity by tariff group, 2002 - 2011 (Island of Rodrigues)

Tariff group	2002	2003	2004	2005	2006	2007	2008	2009 ¹	2010 ¹	2011 ²
Number of consumers										
Domestic	8,954	9,136	9,347	9,651	9,986	10,242	10,410	10,602	10,785	11,084
Commercial	976	982	989	1,025	1,029	1,079	1,091	1,100	1,143	1,209
Industrial	184	161	173	184	188	190	199	211	231	232
Other	6	6	7	7	7	7	7	7	7	7
Total	10,120	10,285	10,516	10,867	11,210	11,518	11,707	11,920	12,166	12,532
GWh sold										
Domestic	11.4	12.0	12.6	14.3	14.4	14.6	14.6	14.8	15.4	15.5
Commercial	5.2	6.2	7.1	8.2	7.7	7.8	8.2	8.5	8.4	8.6
Industrial	1.3	1.4	1.8	2.3	1.9	1.8	1.8	2.1	2.0	2.0
Other	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.7	0.7
Total	18.2	19.8	21.9	25.2	24.7	24.7	25.3	26.1	26.4	26.8
Value sold (Rs mn)										
Domestic	32.5	34.4	38.2	45.4	49.1	51.3	64.9	68.6	72.7	80.6
Commercial	24.6	29.3	34.1	40.3	43.1	46.8	64.4	70.0	69.2	77.8
Industrial	3.5	4.1	4.9	6.3	5.9	5.9	7.7	9.0	8.8	9.5
Other	1.0	1.1	1.6	2.2	2.9	3.2	4.6	4.7	4.8	5.2
Total	61.7	68.9	78.8	94.1	101.1	107.2	141.6	152.3	155.5	173.1
Average sales price (Rs/kWh)										
Domestic	2.85	2.88	3.02	3.18	3.40	3.52	4.43	4.64	4.72	5.18
Commercial	4.71	4.71	4.83	4.91	5.59	5.98	7.88	8.20	8.26	9.05
Industrial	2.75	2.90	2.71	2.74	3.11	3.34	4.30	4.23	4.43	4.72
Other	4.20	4.20	4.36	4.49	5.05	5.37	6.96	7.05	7.16	7.72
Average	3.40	3.47	3.60	3.73	4.10	4.33	5.61	5.83	5.88	6.45
Average no. of units per consumer (kWh)										
Domestic	1,274	1,309	1,352	1,477	1,446	1,422	1,406	1,395	1,429	1,403
Commercial	5,359	6,336	7,145	8,006	7,505	7,243	7,492	7,766	7,326	7,108
Industrial	6,902	8,727	10,539	12,474	10,169	9,292	9,016	10,036	8,608	8,709
Other	41,148	44,122	53,047	69,034	81,968	84,841	94,382	95,355	95,987	96,954
Average	1,794	1,930	2,083	2,323	2,199	2,148	2,158	2,191	2,174	2,142

1 Revised

2 Provisional

Source: Central Electricity Board



Section V
Water Statistics

Table 5.1 - Water balance for *Island of Mauritius* , 2007 - 2011

	Unit	2007	2008	2009	2010	2011
Rainfall	Mm ³	3,644	4,440	4,470	3,368	3,627
Surface Runoff	Mm ³	2,186	2,664	2,682	2,021	2,176
Evapotranspiration	Mm ³	1,093	1,332	1,341	1,010	1,088
Net Recharge to Groundwater	Mm ³	364	444	447	337	363

Source : Water Resources Unit, Ministry of Public Utilities

Table 5.2 - Main water indicators^{1/}, 2007 - 2011

Details	Unit	2007	2008	2009	2010	2011
Mid-year population	thousand	1,223	1,231	1,237	1,243	1,248
Mean annual rainfall						
<i>Island of Mauritius</i>	Millimetres	1,954	2,382	2,397	1,806	1,945
<i>Island of Rodrigues (Pte Canon)</i>	Millimetres	945	1,055	948	1,142	834
<i>Plaine Corail</i>	Millimetres	920	1,132	823	1,188	842
Potable water produced	Mm ³	205	209	220	223	203
Potable water consumed	Mm ³	95	94	98	100	96
Potable water produced per capita per day	litres	460	465	486	492	445
Potable water consumed per capita per day	litres	213	209	217	221	212
Consumption per capita per day for 'Domestic' tariffs	litres	167	163	166	170	162
Average price per mm ³	Rs/mm ³	9.09	8.84	9.06	9.01	8.75

1/ All data refer to Island of Mauritius, except for rainfall where figures are available for Rodrigues as well.

Table 5.3 - Water utilisation by source (Mm³) 2009 - 2011, Island of Mauritius

Mm³

Utilisation	2009				2010				2011			
	Source of water			Total	Source of water			Total	Source of water			Total
	Surface water		Ground water		Surface water		Ground water		Surface water		Ground water	
	River-run offtakes	Reservoirs		River-run offtakes	Reservoirs	River-run offtakes		Reservoirs				
Domestic, Industrial ^{1/} and tourism	36 ^{2/}	76	111	223	36 ^{2/}	74	113	223	35 ^{2/}	59	111	205
Industrial ^{3/}	5	-	5	10	5	-	5	10	5	-	5	10
Agricultural	320	74 ^{4/}	5	399	320	78 ^{4/}	6	404	305	45 ^{4/}	6	356
Hydropower	199	169 ^{5/}	-	368	147	151 ^{5/}	-	298	113	68 ^{5/}	-	181
Overall Utilisation	560	319	121	1,000	508	303	124	935	458	172	122	752
Total Water Mobilisation	524	254	121	899	488	238	124	850	437	148	122	707

1/ used through CWA

3/ used by water right owners and ground water licensees

5/ includes water used by Tamarind Falls, Magenta, Le Val & Ferney power stations

2/ includes water used by Le Reduit power station

4/ includes Tamarind Falls & Magenta power stations

Source : Water Resources Unit, Ministry of Public Utilities

Table 5.4 - Fresh water abstractions (Mm³) for agricultural, domestic and industrial use by source, 2000 - 2011 (Island of Mauritius)

Mm³

Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Surface water	532	532	578	577	575	541	528	518	497	511	513	449
<i>Reservoirs</i>	124	124	128	169	167	154	146	145	137	150	152	104
<i>Rivers and streams</i>	408	408	450	408	408	387	382	373	360	361	361	345
Ground water	145	145	148	148	150	150	154	112	119	121	124	122
Total	677	677	726	725	725	691	682	630	616	632	637	571

Note: period does not refer to calendar year but to Hydrologic Year which is from November year (n-1) to October year (n)

Source : Water Resources Unit

Table 5.5 - Gross storage capacity of reservoirs by district of location and use, Island of Mauritius

Reservoir	La Nicoliere	Diamamouve	Eau Bleue	Mare aux Vacoas	Mare Longue	Midlands Dam	Piton du Milieu	Dagotiere	Valetta	La Ferme	Tamarind Falls	Total Storage Capacity
Capacity (Mm³)	5.3	4.3	4.1	25.9	6.3	25.5	3.0	0.6	3.0	11.5	2.3	90.7
District of location	Pamplemousses	Grand Port		Plaines Wilhems			Moka			Black River		
Use	Domestic, Irrigation & Industrial	Hydro-power		Domestic	Hydro-power & Irrigation	Domestic, Irrigation & Industrial	Domestic	Sugar mill & Irrigation		Irrigation	Hydro-power & Irrigation	

Source : Water Resources Unit, Ministry of Public Utilities

Table 5.6 - Mean rainfall, 2007 - 2011 (Island of Mauritius)

		<i>Millimetres</i>																					
Period	Long Term Mean (1971-2000)	2007		2008		2009		2010		2011		Long Term Mean (1971-2000)	2007		2008		2009		2010		2011		
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	
Year	North											South											
		1,341	1095	82	1646	123	1692	126	1061	79	1439	107	2,557	2375	93	2942	115	2827	111	2400	94	2210	86
	Jan	186	194	104	211	114	192	103	216	116	188	101	290	390	134	291	100	274	94	422	146	223	77
	Feb	245	306	125	148	60	239	98	146	60	241	98	366	598	163	353	97	310	85	461	126	438	120
	Mar	161	95	59	461	286	251	156	186	116	373	232	325	208	64	477	147	368	113	389	120	365	112
	Apr	165	69	42	24	14	136	82	75	45	72	44	280	177	63	65	23	347	124	248	89	63	23
	May	107	89	83	146	136	79	74	79	74	88	82	212	200	94	524	247	257	121	139	66	116	55
	Jun	72	111	154	137	190	58	81	39	54	123	171	157	169	108	201	128	166	106	75	48	171	109
	Jul	73	63	86	76	104	78	107	82	112	58	79	180	173	96	140	78	217	120	208	116	138	77
	Aug	68	33	49	37	54	95	140	105	154	115	169	180	80	44	109	61	149	83	175	97	208	116
	Sep	44	27	61	269	611	51	116	29	66	16	37	112	116	104	385	344	83	74	80	71	58	52
	Oct	41	57	139	29	70	148	360	20	49	8	20	96	124	129	89	93	266	277	80	83	77	80
	Nov	47	35	74	57	122	133	282	72	153	34	72	110	49	45	236	215	181	165	105	95	92	84
Dec	132	16	12	51	38	233	176	12	9	123	93	249	91	37	72	29	208	84	18	7	261	105	
Year	East											West											
		2,065	2436	117	3001	145	3153	153	2757	134	2797	135	918	1028	116	1155	126	1207	132	610	66	1051	114
	Jan	260	449	173	291	112	205	79	524	202	480	185	167	186	111	171	102	222	132	115	69	288	172
	Feb	336	574	171	287	85	366	109	624	186	396	118	219	528	241	114	52	122	56	221	101	223	102
	Mar	243	203	84	714	294	544	224	417	172	582	240	112	84	75	272	242	153	137	124	111	157	140
	Apr	245	149	61	77	31	315	128	173	71	96	39	97	1	1	12	12	110	113	36	37	3	3
	May	180	224	124	306	170	252	140	206	114	164	91	56	4	7	89	159	45	81	19	34	91	163
	Jun	123	193	157	184	150	114	93	73	59	203	165	33	84	255	85	254	21	63	6	18	101	306
	Jul	116	162	140	173	149	203	175	210	181	142	122	25	25	100	22	89	14	57	29	116	10	40
	Aug	114	84	74	104	91	214	188	229	201	278	244	26	17	65	13	49	24	93	29	112	51	196
	Sep	79	95	120	444	561	127	160	77	97	74	94	20	6	30	243	1215	15	75	12	60	3	15
	Oct	74	148	200	82	111	326	440	45	61	103	139	18	40	222	8	46	195	1081	1	5	1	3
	Nov	86	69	80	200	232	234	272	160	186	53	62	31	14	45	76	247	178	574	11	35	59	190
Dec	209	86	41	139	66	253	121	19	9	226	108	114	39	34	50	44	108	95	7	6	64	56	

Source: Mauritius Meteorological Services

Table 5.6 - Mean rainfall, 2007 - 2011 (Island of Mauritius) (cont'd)

		Millimetres									
Period	Long Term Mean (1971-2000)	2007		2008		2009		2010		2011	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean
Center											
Year	2,790	2,744	98	3,044	109	2,965	106	2,154	77	2,227	80
Jan	354	503	142	266	75	387	108	314	89	374	106
Feb	464	844	182	373	80	348	75	435	94	346	74
Mar	337	228	68	663	197	441	131	238	71	384	114
Apr	293	181	62	88	30	250	85	144	49	53	18
May	210	170	81	335	160	234	111	155	74	114	54
Jun	163	151	93	231	142	109	67	97	60	159	98
Jul	181	180	99	194	107	205	113	256	141	110	61
Aug	192	94	49	95	50	166	87	234	122	204	106
Sep	126	102	81	386	306	87	70	97	77	71	56
Oct	102	151	148	88	86	296	290	70	69	69	68
Nov	105	56	53	154	147	201	192	95	90	113	108
Dec	263	84	32	171	65	241	92	19	7	230	87
Whole Island											
Year	2,011	1,954	97	2,381	118	2,390	119	1,806	90	1,945	97
Jan	261	347	133	247	95	259	99	318	122	304	116
Feb	336	572	170	260	77	281	84	374	111	330	98
Mar	242	165	68	519	214	352	145	271	112	373	154
Apr	226	119	53	54	24	233	105	138	61	58	26
May	159	139	87	287	180	178	112	120	75	114	72
Jun	115	142	123	170	149	96	84	60	52	151	132
Jul	120	123	103	123	103	147	122	160	133	93	78
Aug	122	63	52	73	60	130	107	156	128	172	141
Sep	81	71	88	346	427	73	90	60	74	44	54
Oct	70	105	150	60	86	245	350	45	64	51	73
Nov	80	45	56	145	181	184	230	89	111	71	89
Dec	199	63	32	97	49	212	107	15	8	184	92

Source: Mauritius Meteorological Services

Fig. 5.1 - Mean annual rainfall in Island of Mauritius by region, 2007-2011 (millimetres)

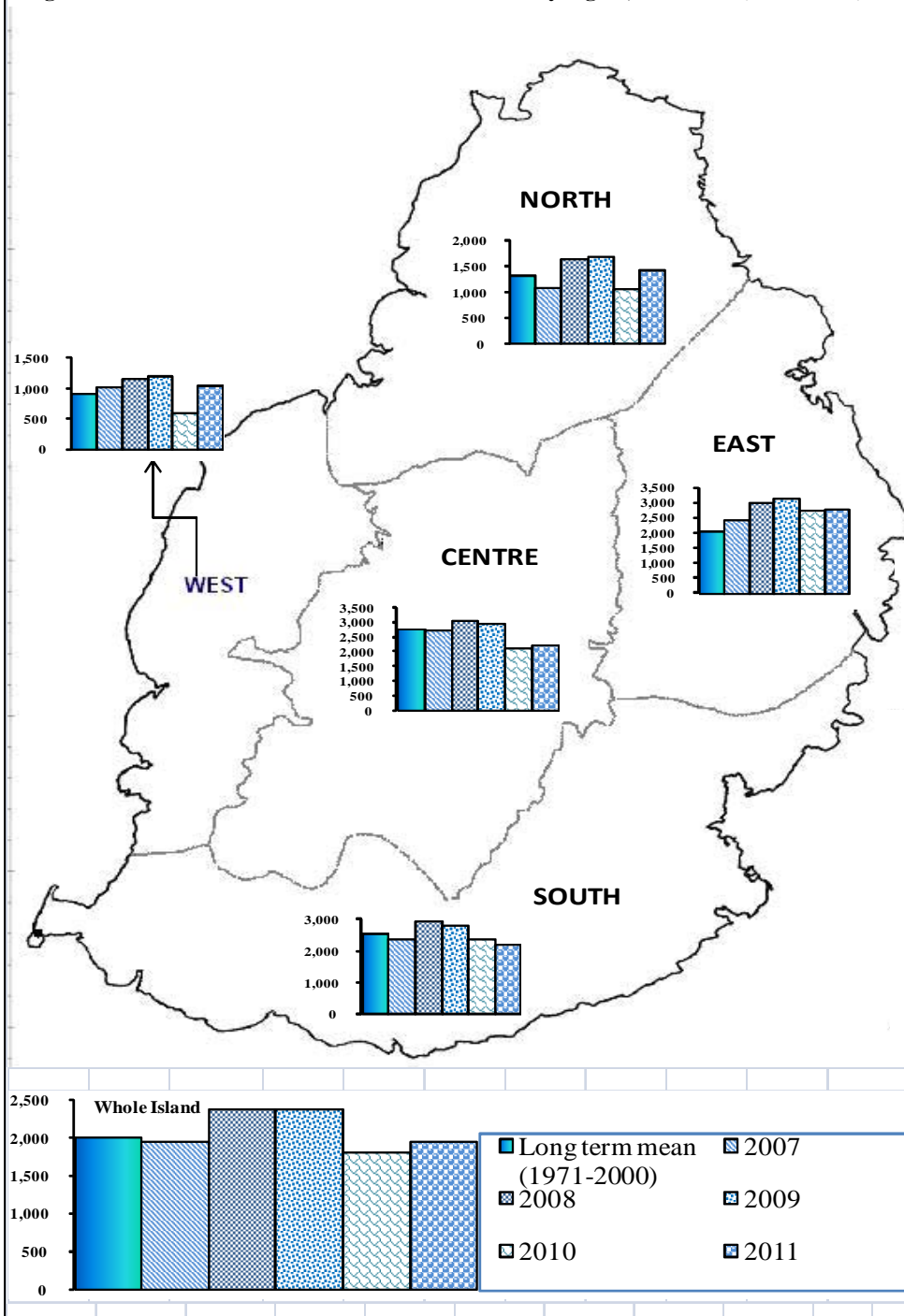


Table 5.7- Mean rainfall 2007 - 2011, Island of Rodrigues

		<i>Millimetres</i>																						
Period	Long Term Mean (1971-2000)	2007		2008		2009		2010		2011		Long Term Mean (1971-2000)	2007		2008		2009		2010		2011			
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		
Year	Oyster Bay											Plaine Corail												
		<i>1,312</i>	<i>1027</i>	<i>78</i>	<i>1112</i>	<i>85</i>	<i>1132</i>	<i>86</i>	<i>1547</i>	<i>118</i>	<i>1038</i>	<i>79</i>		<i>942</i>	<i>920</i>	<i>98</i>	<i>1132</i>	<i>120</i>	<i>823</i>	<i>87</i>	<i>1188</i>	<i>126</i>	<i>842</i>	<i>89</i>
	Jan	<i>173</i>	111	<i>64</i>	119	<i>69</i>	84	<i>48</i>	295	<i>170</i>	93	<i>54</i>	121	158	<i>131</i>	111	<i>92</i>	38	<i>31</i>	188	<i>155</i>	75	<i>62</i>	
	Feb	<i>220</i>	207	<i>94</i>	145	<i>66</i>	129	<i>59</i>	221	<i>100</i>	112	<i>51</i>	168	256	<i>152</i>	148	<i>88</i>	125	<i>74</i>	224	<i>133</i>	133	<i>79</i>	
	Mar	<i>150</i>	81	<i>54</i>	60	<i>40</i>	112	<i>75</i>	84	<i>56</i>	156	<i>104</i>	125	78	<i>62</i>	88	<i>70</i>	73	<i>58</i>	85	<i>68</i>	115	<i>92</i>	
	Apr	<i>132</i>	60	<i>45</i>	16	<i>12</i>	93	<i>70</i>	217	<i>164</i>	57	<i>43</i>	100	62	<i>62</i>	21	<i>21</i>	89	<i>89</i>	231	<i>231</i>	48	<i>48</i>	
	May	<i>85</i>	53	<i>63</i>	243	<i>288</i>	165	<i>195</i>	170	<i>201</i>	104	<i>123</i>	69	39	<i>57</i>	117	<i>170</i>	160	<i>232</i>	143	<i>207</i>	59	<i>86</i>	
	Jun	<i>96</i>	38	<i>39</i>	79	<i>82</i>	94	<i>98</i>	102	<i>106</i>	86	<i>90</i>	62	17	<i>27</i>	74	<i>119</i>	55	<i>89</i>	47	<i>76</i>	65	<i>105</i>	
	Jul	<i>99</i>	99	<i>100</i>	126	<i>127</i>	132	<i>134</i>	100	<i>101</i>	105	<i>106</i>	53	67	<i>126</i>	119	<i>225</i>	107	<i>202</i>	49	<i>92</i>	86	<i>162</i>	
	Aug	<i>79</i>	48	<i>60</i>	104	<i>131</i>	106	<i>134</i>	95	<i>120</i>	111	<i>139</i>	46	24	<i>52</i>	62	<i>135</i>	45	<i>98</i>	56	<i>122</i>	82	<i>178</i>	
	Sep	<i>57</i>	61	<i>107</i>	60	<i>105</i>	89	<i>156</i>	17	<i>30</i>	7	<i>12</i>	32	36	<i>113</i>	45	<i>141</i>	66	<i>206</i>	26	<i>81</i>	19	<i>59</i>	
	Oct	<i>53</i>	49	<i>93</i>	93	<i>176</i>	40	<i>76</i>	100	<i>190</i>	82	<i>155</i>	32	37	<i>116</i>	51	<i>159</i>	17	<i>53</i>	29	<i>91</i>	50	<i>156</i>	
	Nov	<i>84</i>	8	<i>10</i>	0	<i>0</i>	24	<i>29</i>	91	<i>108</i>	22	<i>26</i>	64	9	<i>14</i>	214	<i>334</i>	18	<i>28</i>	78	<i>122</i>	10	<i>16</i>	
Dec	<i>84</i>	212	<i>253</i>	67	<i>79</i>	64	<i>76</i>	55	<i>66</i>	103	<i>123</i>	70	137	<i>196</i>	82	<i>117</i>	30	<i>43</i>	32	<i>46</i>	100	<i>143</i>		
Year	Port Sud Est											Pte Canon												
		<i>1,022</i>	<i>1231</i>	<i>120</i>	<i>1460</i>	<i>143</i>	<i>1220</i>	<i>119</i>	<i>1022</i>	<i>1369</i>	<i>1137</i>	<i>111</i>		<i>1105</i>	<i>945</i>	<i>86</i>	<i>1055</i>	<i>95</i>	<i>948</i>	<i>86</i>	<i>1142</i>	<i>103</i>	<i>834</i>	<i>75</i>
	Jan	<i>155</i>	147	<i>95</i>	186	<i>120</i>	103	<i>66</i>	155	<i>212</i>	59	<i>38</i>	150	73	<i>49</i>	134	<i>89</i>	69	<i>46</i>	208	<i>139</i>	90	<i>60</i>	
	Feb	<i>206</i>	561	<i>272</i>	210	<i>102</i>	217	<i>105</i>	206	<i>118</i>	209	<i>101</i>	185	315	<i>170</i>	147	<i>79</i>	130	<i>70</i>	169	<i>91</i>	85	<i>46</i>	
	Mar	<i>128</i>	103	<i>80</i>	101	<i>79</i>	124	<i>97</i>	128	<i>37</i>	168	<i>131</i>	131	54	<i>41</i>	77	<i>59</i>	103	<i>79</i>	69	<i>53</i>	109	<i>83</i>	
	Apr	<i>110</i>	62	<i>56</i>	24	<i>22</i>	107	<i>97</i>	110	<i>159</i>	68	<i>62</i>	117	47	<i>40</i>	21	<i>18</i>	82	<i>70</i>	214	<i>183</i>	43	<i>37</i>	
	May	<i>59</i>	47	<i>80</i>	256	<i>434</i>	145	<i>246</i>	59	<i>232</i>	178	<i>302</i>	78	35	<i>45</i>	157	<i>201</i>	122	<i>156</i>	144	<i>185</i>	73	<i>94</i>	
	Jun	<i>67</i>	19	<i>28</i>	91	<i>136</i>	121	<i>181</i>	67	<i>112</i>	76	<i>114</i>	78	30	<i>38</i>	88	<i>113</i>	87	<i>112</i>	46	<i>59</i>	69	<i>88</i>	
	Jul	<i>57</i>	89	<i>156</i>	71	<i>125</i>	144	<i>253</i>	57	<i>88</i>	56	<i>98</i>	81	75	<i>93</i>	41	<i>51</i>	106	<i>131</i>	76	<i>94</i>	65	<i>80</i>	
	Aug	<i>56</i>	47	<i>84</i>	115	<i>205</i>	67	<i>120</i>	56	<i>139</i>	84	<i>150</i>	59	43	<i>73</i>	88	<i>149</i>	75	<i>127</i>	67	<i>114</i>	99	<i>168</i>	
	Sep	<i>34</i>	37	<i>109</i>	59	<i>174</i>	70	<i>206</i>	34	<i>32</i>	10	<i>30</i>	44	46	<i>105</i>	50	<i>114</i>	65	<i>148</i>	16	<i>36</i>	9	<i>20</i>	
	Oct	<i>35</i>	20	<i>57</i>	72	<i>206</i>	32	<i>91</i>	35	<i>126</i>	96	<i>273</i>	41	38	<i>93</i>	65	<i>159</i>	32	<i>78</i>	46	<i>112</i>	71	<i>173</i>	
	Nov	<i>50</i>	1	<i>2</i>	179	<i>358</i>	29	<i>58</i>	50	<i>86</i>	20	<i>40</i>	71	7	<i>10</i>	134	<i>189</i>	32	<i>45</i>	50	<i>70</i>	18	<i>25</i>	
Dec	<i>65</i>	98	<i>151</i>	96	<i>148</i>	61	<i>94</i>	65	<i>28</i>	113	<i>174</i>	70	182	<i>260</i>	53	<i>76</i>	45	<i>64</i>	37	<i>53</i>	103	<i>147</i>		

Source: Mauritius Meteorological Services

Table 5.7 - Mean rainfall 2007 - 2011, *Island of Rodrigues (cont'd)*

Millimetres

Period	Long Term Mean	2007		2008		2009		2010		2011		Long Term Mean	2007		2008		2009		2010		2011		
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	
Year	(1971-2000)	Solitude										(1981-2000)	Mourouk										
		1,475	1104	75	1385	94	1145	78	1357	92	1165	79	1,028	1267	123	1382	134	1175	114	1420	138	1229	119
	Jan	160	93	58	148	93	79	294	199	124	103	64	160	165	103	187	117	112	70	399	249	67	42
	Feb	268	380	142	184	69	160	121	209	78	133	50	181	504	278	205	113	219	121	244	135	218	120
	Mar	165	...		90	55	122	38	104	63	139	84	142	104	73	84	59	119	84	54	38	207	145
	Apr	151	78	51	23	15	98	384	238	158	49	32	137	49	36	29	21	139	101	200	146	79	57
	May	100	38	38	207	207	144	183	151	151	132	132	61	46	75	229	375	109	179	151	248	154	251
	Jun	101	41	41	127	126	96	54	68	67	89	88	59	29	49	82	139	107	181	83	141	73	124
	Jul	114	99	87	116	102	149	43	90	79	122	106	60	73	122	53	88	126	210	69	115	101	168
	Aug	93	64	69	103	111	76	90	88	95	129	139	50	46	92	97	194	50	100	85	170	92	182
	Sep	65	49	76	73	112	84	104	14	22	5	8	31	73	235	77	248	70	226	11	35	5	16
	Oct	62	53	86	88	142	45	28	93	150	94	152	35	18	51	48	137	31	89	53	151	86	243
	Nov	93	4	4	137	147	35	83	72	78	19	20	59	2	3	180	305	35	59	50	85	12	20
Dec	103	205	199	89	86	57	755	31	30	151	146	53	158	298	111	209	58	109	21	40	135	255	
Year	(1982-2000)	Citronelle										(1993-2000)	Baie Topaze										
		1,532	1389	91	1891	123	1338	87	1700	111	1343	88	1,123	896	80	1071	95	787	70	996	89	953	85
	Jan	183	113	62	189	103	125	68	289	158	122	66	173	124	72	89	51	44	25	191	110	71	41
	Feb	236	399	169	214	91	200	85	248	105	161	68	192	269	140	171	89	74	39	168	88	138	72
	Mar	171	110	64	105	61	143	84	120	70	171	100	153	62	41	77	50	50	33	72	47	142	93
	Apr	170	82	48	35	21	114	67	247	145	62	37	114	69	61	19	17	76	67	184	161	48	42
	May	99	58	59	223	225	173	175	143	144	129	131	61	29	48	111	182	155	254	138	226	57	93
	Jun	104	61	59	186	179	16	15	82	79	103	99	79	18	23	63	80	65	82	0	0	81	102
	Jul	118	111	94	151	128	186	158	131	111	189	160	61	70	115	90	148	114	187	61	100	91	149
	Aug	103	84	82	139	135	116	113	95	92	105	102	66	27	41	73	111	64	97	50	76	86	130
	Sep	75	70	93	114	152	98	131	24	32	6	7	39	44	113	68	174	70	179	9	23	26	65
	Oct	76	75	99	102	134	52	68	146	192	127	168	49	27	55	53	108	21	43	40	82	69	141
	Nov	115	16	14	281	244	47	41	128	111	23	20	81	2	2	193	238	14	17	63	78	23	28
Dec	82	210	256	152	185	68	83	47	57	145	176	55	155	282	64	116	40	73	20	36	121	220	

Table 5.7 - Mean rainfall 2007 - 2011, *Island of Rodrigues (cont'd)*

Period	Long Term Mean (1971-2000)	Millimetres							
		2008		2009		2010		2011	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean
Year	1,320	1,742	132	1,353	103	1,294	98	1,002	76
Jan	156	122	78	74	47	345	221	82	53
Feb	213	287	135	187	88	276	130	176	82
Mar	152	0	0	125	82	79	52	156	103
Apr	152	46	30	76	50	219	144	24	16
May	99	186	188	200	202	147	148	67	68
Jun	96	135	141	109	114	45	47	96	100
Jul	92	154	167	232	252	0	0	147	159
Aug	80	124	155	107	134	0	0	57	71
Sep	53	125	236	104	196	0	0	26	49
Oct	55	72	131	36	65	92	167	51	92
Nov	89	323	363	43	48	70	79	24	27
Dec	83	168	202	60	72	21	25	96	116

1/ Marechal became operational anew in 2007

Source: Mauritius Meteorological Services

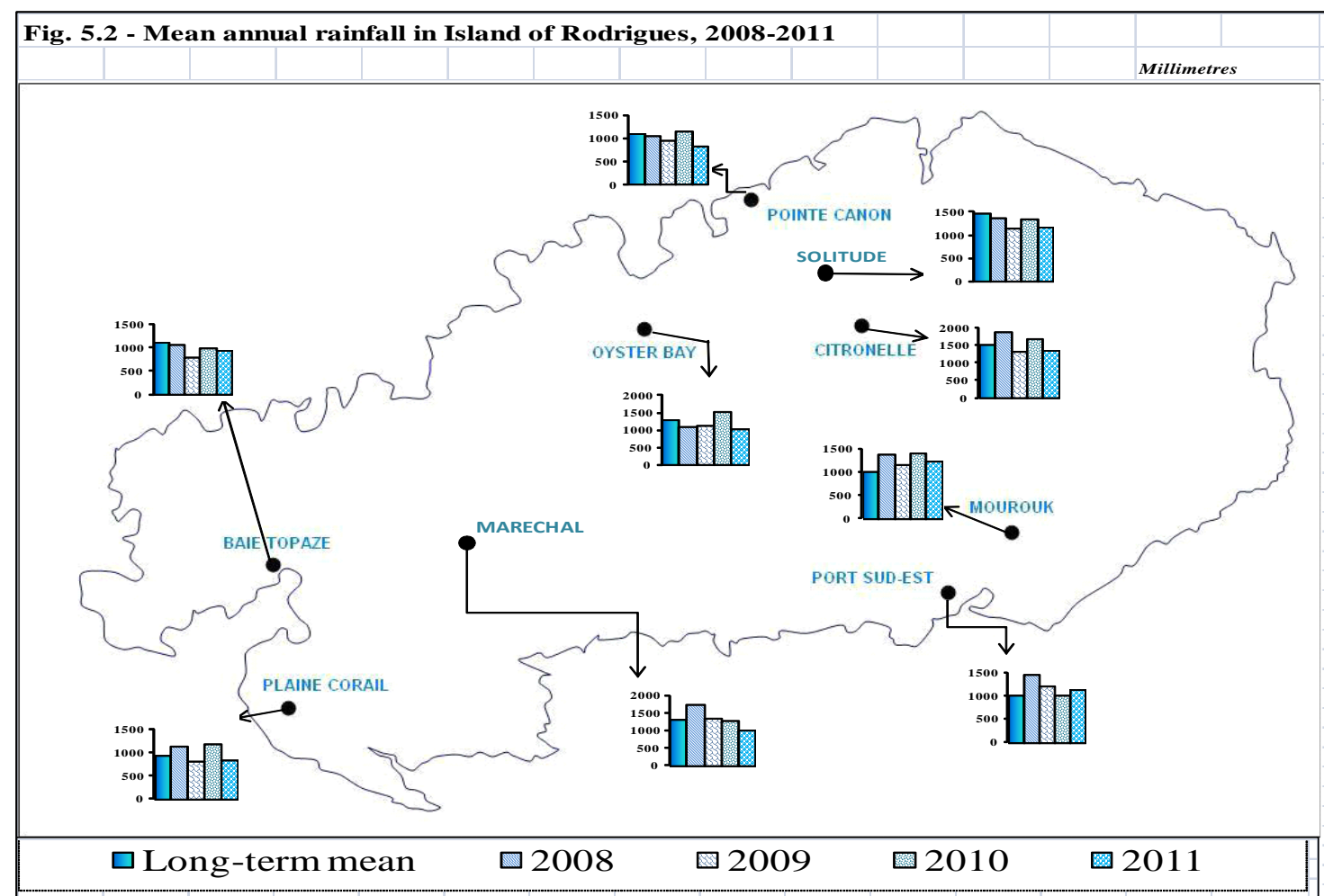


Table 5.8- Percentage of water level by month and reservoir, 2007 - 2011, *Island of Mauritius*

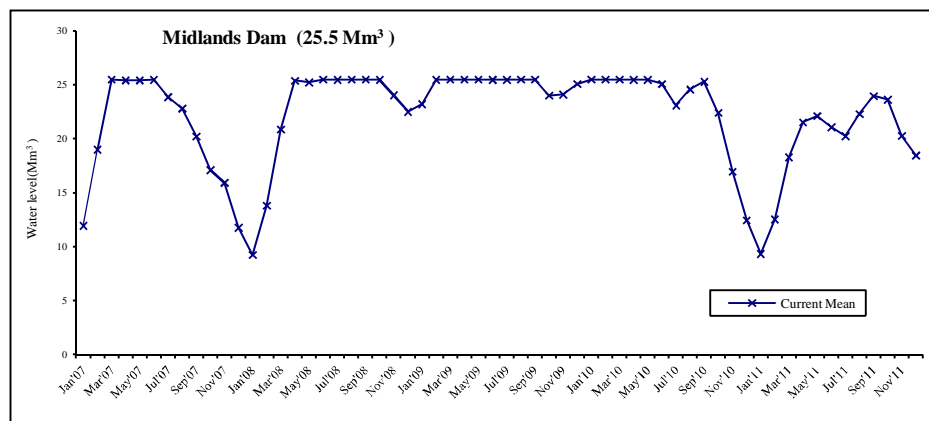
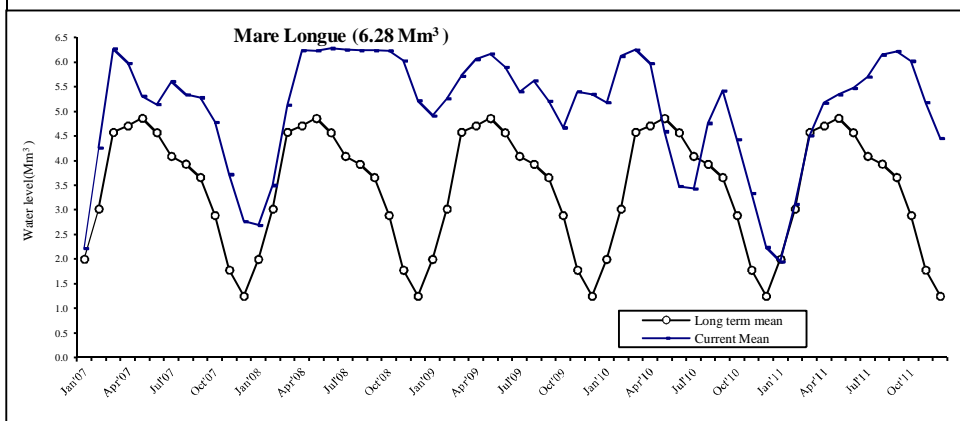
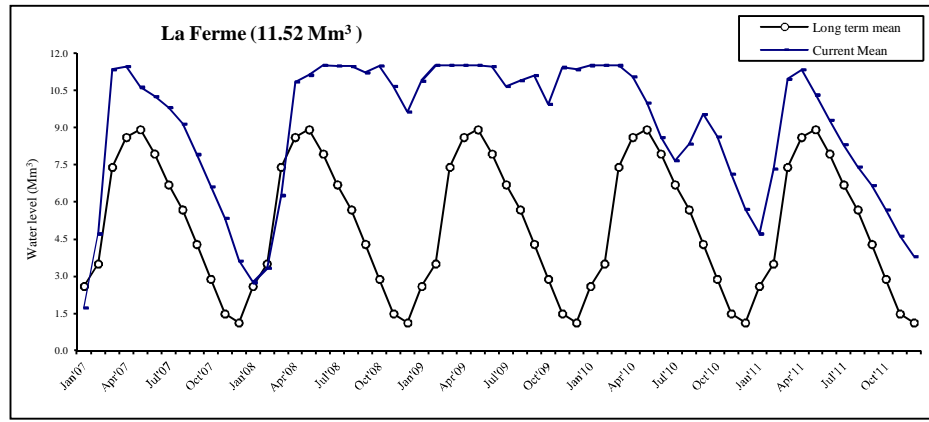
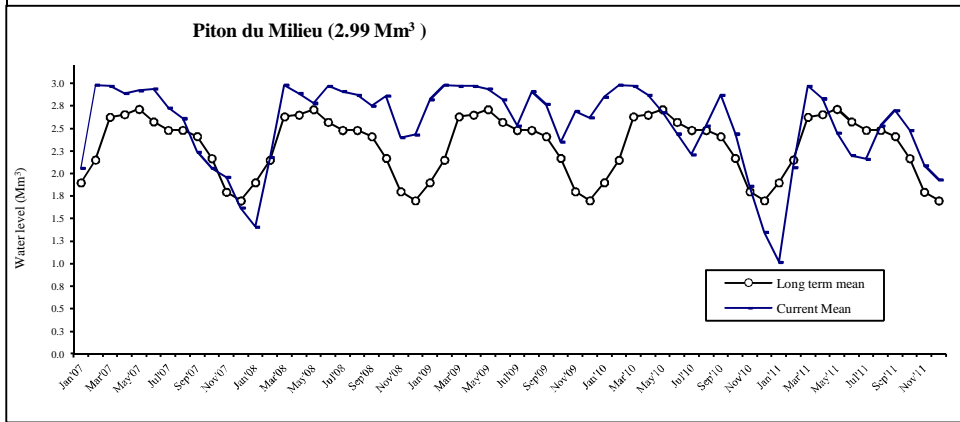
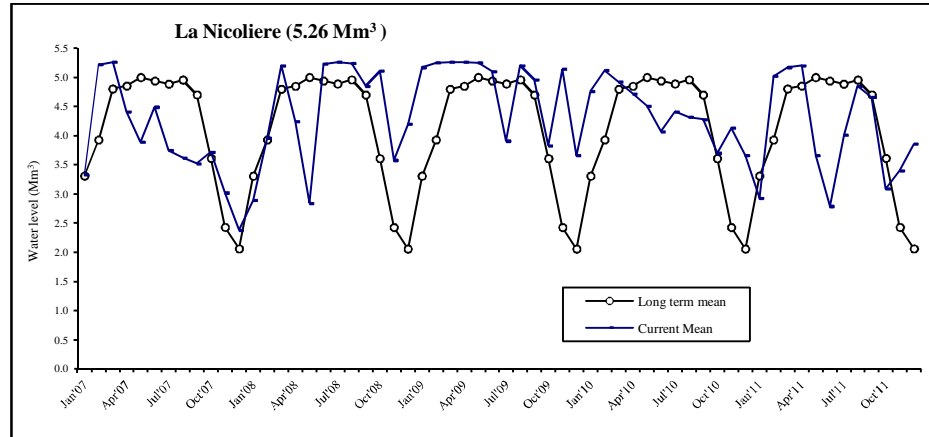
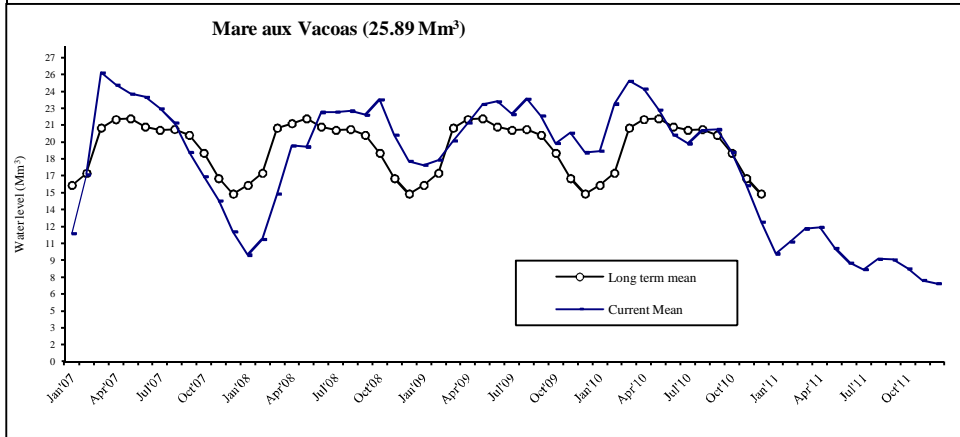
Period	Average for 1990-1999 (%)	2007			2008			2009			2010			2011		
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)
Mare aux Vacoas (Capacity 25.89 Mm³)																
Jan	60	44	42	54	37	34	40	67	64	69	72	69	77	37	34	41
Feb	65	64	55	98	42	36	50	69	65	71	88	76	98	41	37	44
Mar	80	99	98	100	58	48	78	76	70	81	96	95	97	46	42	49
Apr	83	95	93	98	74	70	78	82	78	86	94	91	96	46	42	49
May	83	92	90	95	74	65	83	88	84	93	86	83	91	39	36	42
Jun	81	91	88	93	86	84	88	89	86	92	78	74	83	34	33	35
Jul	79	87	86	88	86	83	88	85	83	88	75	74	77	32	31	33
Aug	80	82	77	86	86	82	89	90	88	91	79	78	82	35	31	36
Sep	78	72	67	77	85	79	93	84	79	89	80	75	83	35	33	36
Oct	72	64	61	67	90	85	93	75	70	79	72	67	76	32	30	33
Nov	63	55	50	61	78	72	84	78	76	80	60	55	67	28	26	30
Dec	58	45	40	49	69	65	74	72	66	76	48	41	55	27	26	27
La Nicoliere (Capacity 5.26 Mm³)																
Jan	63	63	47	87	55	40	63	98	89	100	91	70	100	56	48	78
Feb	75	99	90	100	75	47	100	100	99	100	97	86	100	95	81	100
Mar	91	100	100	100	99	94	100	100	100	100	94	87	99	98	91	100
Apr	92	84	75	100	81	47	100	100	100	100	90	84	93	99	90	100
May	95	74	57	88	54	36	89	100	98	100	86	78	93	70	49	87
Jun	94	85	62	98	100	92	100	97	92	100	77	68	90	53	39	72
Jul	93	71	61	84	100	99	100	74	64	91	84	73	100	76	73	81
Aug	94	69	59	73	100	96	100	99	89	100	82	68	100	92	73	100
Sep	89	67	63	72	92	81	100	94	77	100	81	68	97	89	66	100
Oct	69	71	63	82	97	82	100	73	64	96	70	67	73	59	49	63
Nov	46	58	46	73	68	64	80	98	89	100	78	70	87	65	62	67
Dec	39	45	42	54	80	70	87	70	59	93	70	53	85	73	66	84
Piton du Milieu (Capacity 2.99 Mm³)																
Jan	64	69	63	97	47	44	49	94	76	100	95	89	100	34	30	43
Feb	72	100	99	100	73	52	100	100	99	100	100	98	100	69	44	98
Mar	88	99	98	100	100	98	100	99	99	100	99	99	100	99	99	100
Apr	89	97	95	99	97	92	100	99	99	100	96	93	99	95	88	99
May	91	98	94	99	93	84	100	98	97	100	90	87	94	82	76	88
Jun	86	98	95	100	99	99	100	94	89	98	82	75	88	74	72	76
Jul	83	91	89	95	97	94	100	85	81	89	74	72	77	72	71	74
Aug	83	87	82	91	96	90	100	97	90	99	85	78	97	85	73	92
Sep	81	75	71	82	92	83	100	93	85	98	96	90	99	90	87	92
Oct	73	69	68	71	96	89	99	79	73	85	82	72	90	83	77	86
Nov	60	66	62	69	80	72	89	90	85	94	62	54	71	70	63	77
Dec	57	54	48	62	81	76	85	88	81	93	45	37	54	65	57	70

Table 5.8 - Percentage of water level by month and reservoir, 2007 - 2011, *Island of Mauritius* (cont'd)

Period	Average for 1990-1999 (%)	2007			2008			2009			2010			2011			
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	
La Ferme (Capacity 11.52 Mm³)																	
Jan	23	15	13	22	24	21	26	94	81	100	100	98	100	41	38	47	
Feb	30	41	24	82	29	22	41	100	100	100	100	100	100	64	49	82	
Mar	64	99	85	100	54	42	81	100	100	100	100	99	100	95	83	100	
Apr	75	100	98	100	94	83	98	100	100	100	96	93	100	98	93	100	
May	77	92	88	97	97	91	100	100	100	100	87	81	92	90	83	94	
Jun	69	89	86	92	100	100	100	99	98	100	75	69	81	81	79	83	
Jul	58	85	83	88	100	99	100	93	89	97	67	66	69	72	66	79	
Aug	49	79	75	83	100	98	100	95	90	99	72	68	81	64	61	66	
Sep	37	69	64	75	97	93	100	96	93	99	83	81	84	58	54	61	
Oct	25	58	53	63	100	98	100	86	81	92	75	68	81	49	45	54	
Nov	13	46	39	53	92	87	98	99	90	100	62	57	68	40	36	45	
Dec	10	32	25	39	84	80	88	99	94	100	50	43	56	33	31	36	
Mare Longue (Capacity 6.28 Mm³)																	
Jan	32	35	32	51	43	41	45	78	77	79	83	79	90	31	29	38	
Feb	48	68	52	100	56	46	69	84	77	88	97	91	100	50	38	62	
Mar	73	100	99	100	82	69	100	91	86	97	100	99	100	72	62	80	
Apr	75	95	91	99	99	99	100	97	94	100	95	86	100	82	81	83	
May	77	85	81	91	99	98	100	98	96	99	73	64	85	85	83	86	
Jun	73	82	78	85	100	100	100	94	89	99	55	51	63	87	85	90	
Jul	65	89	85	93	100	99	100	86	84	89	55	50	65	91	89	92	
Aug	63	85	83	90	99	99	100	89	88	91	76	66	86	98	93	100	
Sep	58	84	83	85	99	99	100	83	78	87	86	77	91	99	98	99	
Oct	46	76	66	83	99	98	100	74	69	81	71	63	76	96	90	98	
Nov	28	59	52	66	96	90	98	86	82	89	53	45	62	82	75	89	
Dec	20	44	41	51	83	78	91	85	74	92	36	29	44	71	66	76	
All reservoirs, excluding Midlands Dam (Capacity 51.94 Mm³)																	
Jan	49	40	37	52	37	34	39	79	73	82	83	79	87	39	36	44	
Feb	56	63	16	95	46	36	58	83	80	84	94	87	98	54	45	63	
Mar	77	99	95	100	66	58	85	87	83	90	97	96	98	68	62	72	
Apr	82	95	93	99	84	78	86	91	88	93	94	91	97	70	66	72	
May	83	90	86	94	81	73	90	94	91	97	85	80	91	61	56	65	
Jun	79	89	86	91	93	91	94	93	90	96	75	70	81	55	52	56	
Jul	75	85	84	87	93	91	94	86	83	89	71	70	76	55	53	56	
Aug	73	81	77	83	93	89	94	92	89	93	78	74	84	58	53	60	
Sep	68	72	68	77	90	85	96	88	82	92	82	77	86	56	52	59	
Oct	58	65	62	68	94	89	96	77	72	83	73	67	77	49	47	52	
Nov	46	55	48	61	82	77	89	87	84	88	62	57	67	43	40	46	
Dec	41	42	39	48	76	73	79	80	74	86	49	41	57	40	39	41	
Midlands Dam (Capacity 25.5 Mm³)																	
Jan	<i>Impounding of reservoir started on 13 September 2002</i>	47	43	63	36	33	39	91	81	98	100	100	100	37	33	41	
Feb		75	64	100	54	42	69	100	99	100	100	100	100	49	39	59	
Mar		100	99	100	82	70	100	100	100	100	100	100	100	72	59	82	
Apr		100	99	100	100	99	100	100	100	100	100	100	100	84	82	86	
May		100	99	100	99	96	100	100	100	100	100	100	100	87	86	88	
Jun		100	99	100	100	100	100	100	100	100	100	98	95	100	83	81	86
Jul		94	91	99	100	100	100	100	99	100	91	88	94	79	79	81	
Aug		90	85	94	100	100	100	100	100	100	96	91	100	87	80	92	
Sep		79	73	85	100	100	100	100	100	100	99	96	100	94	92	95	
Oct		67	64	73	100	100	100	94	89	100	88	78	96	93	88	96	
Nov		63	56	66	94	87	100	95	92	97	67	57	78	80	72	87	
Dec		46	36	56	88	82	96	98	95	100	49	41	57	72	66	78	

Source : Water Resources Unit, Ministry of Public Utilities

Fig. 5.3 - Water level in each reservoir, 2007 - 2011 (Island of Mauritius)



Note: Impounding of Midlands Dam started in September 2002

Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2007 - 2011 (Island of Mauritius)

Month	Mare Aux Vacoas (Upper)			Mare Aux Vacoas (Lower)			Port -Louis			District water supply - North			District water supply - South			District water supply - East			Total production					
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	
	Mm³																						Surface	Borehole
2007	38.6	6.1	44.7	-	31.6	31.6	20.3	11.0	31.3	23.7	22.1	45.8	9.2	16.3	25.5	8.6	18.0	26.6	100.5	105.0	205.5	49%	51%	
Jan	2.9	0.4	3.3	-	2.1	2.1	1.6	0.7	2.3	2.1	1.8	3.9	0.7	1.6	2.3	0.8	1.3	2.1	8.1	7.9	15.9	51%	49%	
Feb	2.8	0.5	3.2	-	2.0	2.0	1.5	0.7	2.2	2.0	1.7	3.7	0.7	1.1	1.8	0.6	1.6	2.2	7.6	7.6	15.1	50%	50%	
Mar	3.3	0.5	3.7	-	2.2	2.2	1.6	1.3	2.9	2.2	1.9	4.1	0.8	1.4	2.2	0.8	1.7	2.5	8.6	9.0	17.6	49%	51%	
Apr	3.2	0.5	3.7	-	2.5	2.5	1.7	0.9	2.5	2.1	1.9	4.0	0.7	1.4	2.1	0.8	1.6	2.3	8.4	8.7	17.1	49%	51%	
May	3.3	0.5	3.9	-	2.6	2.6	1.8	0.8	2.6	2.1	2.1	4.1	0.8	1.4	2.2	0.7	1.7	2.4	8.7	9.0	17.7	49%	51%	
Jun	3.2	0.5	3.7	-	2.3	2.3	1.7	0.7	2.5	2.0	1.9	3.9	0.8	1.4	2.2	0.7	1.6	2.3	8.4	8.4	16.8	50%	50%	
Jul	3.4	0.6	3.9	-	3.1	3.1	1.8	1.2	3.0	1.7	2.1	3.7	0.7	1.3	2.1	0.8	1.4	2.2	8.4	9.6	17.9	47%	53%	
Aug	3.5	0.5	4.0	-	3.1	3.1	1.9	1.0	2.9	1.8	2.0	3.8	0.8	1.3	2.1	0.8	1.4	2.1	8.7	9.3	17.9	48%	52%	
Sep	3.2	0.5	3.7	-	2.8	2.8	1.8	1.0	2.8	1.7	2.0	3.7	0.8	1.4	2.1	0.7	1.4	2.1	8.2	9.0	17.3	48%	52%	
Oct	3.3	0.6	3.8	-	3.1	3.1	1.8	1.0	2.8	2.1	1.6	3.6	0.8	1.4	2.2	0.6	1.5	2.1	8.6	9.0	17.6	49%	51%	
Nov	3.5	0.5	4.0	-	3.1	3.1	1.7	1.0	2.7	2.1	1.6	3.7	0.9	1.5	2.3	0.7	1.5	2.2	8.8	9.1	17.9	49%	51%	
Dec	3.2	0.5	3.7	-	2.8	2.8	1.5	0.9	2.4	2.0	1.6	3.5	0.8	1.3	2.1	0.7	1.5	2.1	8.2	8.5	16.7	49%	51%	
2008	37.9	6.6	44.5	-	28.8	28.8	21.8	12.8	34.6	22.6	25.2	47.6	9.6	16.2	25.8	10.5	17.6	28.1	102.2	107.2	209.4	49%	51%	
Jan	2.6	0.4	3.0	-	2.1	2.1	1.7	0.8	2.5	2.0	1.9	3.9	0.8	1.4	2.2	0.6	1.4	2.0	7.7	8.0	15.7	49%	51%	
Feb	2.4	0.7	3.1	-	2.1	2.1	1.8	0.9	2.7	1.6	1.9	3.5	0.8	1.3	2.1	0.6	1.3	1.9	7.2	8.2	15.4	47%	53%	
Mar	2.6	0.5	3.1	-	2.5	2.5	1.7	1.1	2.8	1.8	2.1	3.9	0.9	1.4	2.3	0.8	1.5	2.3	7.8	9.1	16.9	46%	54%	
Apr	2.8	0.6	3.4	-	2.6	2.6	1.9	1.1	3.0	1.6	2.2	3.8	0.7	1.3	2.0	0.8	1.5	2.3	7.8	9.3	17.1	46%	54%	
May	2.9	0.5	3.4	-	2.6	2.6	2.0	1.1	3.1	1.7	2.2	3.9	0.8	1.3	2.1	0.8	1.5	2.3	8.2	9.2	17.4	47%	53%	
Jun	3.0	0.6	3.6	-	2.5	2.5	1.8	1.0	2.8	1.8	2.1	3.7	0.8	1.3	2.1	0.8	1.4	2.2	8.0	8.9	16.9	47%	53%	
Jul	3.4	0.6	4.0	-	2.6	2.6	1.9	0.9	2.8	1.7	2.2	3.9	0.8	1.4	2.2	0.8	1.5	2.3	8.6	9.2	17.8	48%	52%	
Aug	3.5	0.6	4.1	-	2.6	2.6	1.8	0.9	2.7	2.1	2.1	4.2	0.8	1.4	2.2	1.5	1.5	3.0	9.7	9.1	18.8	52%	48%	
Sep	3.6	0.5	4.1	-	2.5	2.5	1.7	0.9	2.6	2.1	2.2	4.3	0.8	1.3	2.1	1.5	1.5	3.0	9.7	8.9	18.6	52%	48%	
Oct	3.8	0.6	4.4	-	2.7	2.7	1.8	1.0	2.8	2.1	2.2	4.3	0.8	1.4	2.2	0.8	1.5	2.3	9.3	9.4	18.7	50%	50%	
Nov	3.6	0.5	4.1	-	2.1	2.1	1.8	1.0	2.8	2.0	2.0	4.0	0.8	1.3	2.1	0.7	1.5	2.2	8.9	8.4	17.3	51%	49%	
Dec	3.7	0.5	4.2	-	1.9	1.9	1.9	2.1	4.0	2.1	2.1	4.2	0.8	1.4	2.2	0.8	1.5	2.3	9.3	9.5	18.8	49%	51%	

Source: Central Water Authority

Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2007 - 2011 (Island of Mauritius) (cont'd)

Month	Mare Aux Vacoas (Upper)			Mare Aux Vacoas (Lower)			Port -Louis			District water supply - North			District water supply - South			District water supply - East			Total production				
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole
	Mm ³																						
2009	42.4	6.3	48.9	-	30.5	30.5	21.7	12.6	34.3	25.0	25.7	50.7	9.7	16.0	25.7	10.2	19.3	29.5	109.2	110.4	219.6	50%	50%
Jan	3.6	0.6	4.4	-	2.7	2.7	1.7	1.1	2.8	2.1	2.1	4.2	0.8	1.4	2.2	0.8	1.5	2.3	9.2	9.4	18.6	49%	51%
Feb	3.4	0.5	3.9	-	2.3	2.3	1.7	1.0	2.7	1.9	1.9	3.8	0.8	1.2	2.0	0.8	1.4	2.2	8.6	8.3	16.9	51%	49%
Mar	3.8	0.6	4.4	-	2.6	2.6	1.8	1.1	2.9	2.1	2.2	4.3	0.8	1.4	2.2	0.8	1.6	2.4	9.3	9.5	18.8	49%	51%
Apr	3.7	0.5	4.2	-	2.5	2.5	1.9	1.1	3.0	2.1	2.2	4.3	0.8	1.3	2.1	0.8	1.5	2.3	9.3	9.1	18.4	51%	49%
May	3.5	0.6	4.1	-	2.6	2.6	1.9	1.0	2.9	2.2	2.3	4.5	0.9	1.4	2.3	0.9	1.6	2.5	9.4	9.5	18.9	50%	50%
Jun	3.4	0.5	3.9	-	2.6	2.6	1.7	0.9	2.6	2.1	2.2	4.3	0.8	1.3	2.1	0.8	1.6	2.4	8.8	9.1	17.9	49%	51%
Jul	3.6	0.5	4.1	-	2.5	2.5	1.8	1.0	2.8	2.1	2.2	4.3	0.8	1.4	2.2	0.8	1.6	2.4	9.1	9.2	18.3	50%	50%
Aug	3.6	0.5	4.1	-	2.6	2.6	1.9	1.0	2.9	2.1	2.3	4.4	0.8	1.4	2.2	0.9	1.7	2.6	9.3	9.5	18.8	49%	51%
Sep	3.5	0.5	4.0	-	2.5	2.5	1.8	0.9	2.7	2.0	2.1	4.1	0.8	1.2	2.0	0.9	1.7	2.6	9.0	8.9	17.9	50%	50%
Oct	3.4	0.5	3.9	-	2.5	2.5	1.9	1.0	2.9	2.1	2.1	4.2	0.8	1.3	2.1	0.9	1.7	2.6	9.1	9.1	18.2	50%	50%
Nov	3.3	0.5	3.8	-	2.5	2.5	1.8	1.3	3.1	2.0	2.0	4.0	0.8	1.3	2.1	0.9	1.7	2.6	8.8	9.3	18.1	49%	51%
Dec	3.6	0.5	4.1	-	2.6	2.6	1.8	1.2	3.0	2.2	2.1	4.3	0.8	1.4	2.2	0.9	1.7	2.6	9.3	9.5	18.8	49%	51%
2010	41.2	6.3	47.5	-	30.2	30.2	21.6	13.8	35.4	25.6	25.7	51.3	10.3	16.3	26.6	10.4	22.0	32.4	109.1	114.3	223.4	49%	51%
Jan	3.6	0.5	4.1	-	2.7	2.7	1.8	1.2	3.0	2.2	2.1	4.3	0.8	1.4	2.2	0.9	1.9	2.8	9.3	9.8	19.1	49%	51%
Feb	3.2	0.5	3.7	-	2.0	2.0	1.5	1.1	2.6	2.0	1.9	3.9	0.7	1.2	1.9	0.8	1.7	2.5	8.2	8.4	16.6	49%	51%
Mar	3.7	0.6	4.3	-	2.6	2.6	1.8	1.2	3.0	2.1	2.2	4.3	0.9	1.4	2.3	0.9	1.9	2.8	9.4	9.9	19.3	49%	51%
Apr	3.6	0.5	4.1	-	2.5	2.5	1.9	1.2	3.1	2.0	2.2	4.2	0.9	1.3	2.2	0.8	1.8	2.6	9.2	9.5	18.7	49%	51%
May	3.2	0.5	3.7	-	2.6	2.6	1.8	1.6	3.4	1.9	2.3	4.2	0.9	1.4	2.3	0.9	1.9	2.8	8.7	10.3	19.0	46%	54%
Jun	3.7	0.6	4.3	-	2.6	2.6	1.8	1.1	2.9	2.0	2.2	4.2	0.9	1.3	2.2	0.8	1.8	2.6	9.2	9.6	18.8	49%	51%
Jul	3.3	0.6	3.9	-	2.5	2.5	1.9	1.1	3.0	2.0	2.2	4.2	0.9	1.4	2.3	0.9	1.9	2.8	9.0	9.7	18.7	48%	52%
Aug	3.3	0.5	3.8	-	2.6	2.6	1.9	1.1	3.0	2.3	2.3	4.6	0.9	1.4	2.3	0.9	1.9	2.8	9.3	9.8	19.1	49%	51%
Sep	3.3	0.5	3.8	-	2.5	2.5	1.8	1.0	2.8	2.2	2.1	4.3	0.9	1.4	2.3	0.9	1.8	2.7	9.1	9.3	18.4	49%	51%
Oct	3.5	0.5	4.0	-	2.5	2.5	1.9	1.1	3.0	2.3	2.1	4.4	0.9	1.4	2.3	0.9	1.9	2.8	9.5	9.5	19.0	50%	50%
Nov	3.3	0.5	3.8	-	2.5	2.5	1.8	1.1	2.9	2.3	2.0	4.3	0.9	1.3	2.2	0.9	1.7	2.6	9.2	9.1	18.3	50%	50%
Dec	3.5	0.5	4.0	-	2.6	2.6	1.7	1.0	2.7	2.3	2.1	4.4	0.7	1.4	2.1	0.8	1.8	2.6	9.0	9.4	18.4	49%	51%

Source: Central Water Authority

Table 5.9 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2007 - 2011 (Island of Mauritius) (cont'd)

Month	Mare Aux Vacoas (Upper)			Mare Aux Vacoas (Lower)			Port -Louis			District water supply - North			District water supply - South			District water supply - East			Total production				
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole
2011	28.0	6.1	32.7	-	28.7	28.7	21.3	12.5	33.8	25.6	23.9	49.5	9.2	17.7	26.9	9.2	20.4	29.6	93.3	109.3	202.6	46%	54%
Jan	3.1	0.4	3.5	-	2.2	2.2	1.7	1.2	2.9	2.1	1.9	4.0	0.6	1.3	1.9	0.7	1.7	2.4	8.2	8.7	16.9	49%	51%
Feb	2.3	0.6	2.9	-	2.4	2.4	1.6	1.2	2.8	1.9	1.8	3.7	0.7	1.4	2.1	0.6	1.7	2.3	7.1	9.1	16.2	44%	56%
Mar	2.6	0.6	3.2	-	2.8	2.8	1.8	1.2	3.0	2.1	2.1	4.2	0.7	1.7	2.4	0.9	2.0	2.9	8.1	10.4	18.5	44%	56%
Apr	2.9	0.5	3.4	-	2.6	2.6	1.8	1.2	3.0	2.3	2.2	4.5	0.7	1.5	2.2	0.9	1.8	2.7	8.6	9.8	18.4	47%	53%
May	2.5	0.5	3.0	-	2.6	2.6	1.9	1.2	3.1	2.3	2.1	4.4	0.8	1.5	2.3	0.8	1.8	2.6	8.3	9.7	18.0	46%	54%
Jun	1.9	0.5	2.4	-	2.4	2.4	1.7	1.0	2.7	2.0	2.0	4.0	0.8	1.3	2.1	0.7	1.7	2.4	7.1	8.9	16.0	44%	53%
Jul	2.0	0.5	2.5	-	2.4	2.4	1.9	0.9	2.8	2.0	2.1	4.1	0.9	1.7	2.6	0.7	1.8	2.5	7.5	9.4	16.9	44%	53%
Aug	2.2	0.5	2.7	-	2.5	2.5	1.9	0.9	2.8	2.2	2.0	4.2	0.8	1.6	2.4	0.7	1.7	2.4	7.8	9.2	17.0	46%	54%
Sep	1.9	0.5	2.4	-	2.6	2.6	1.8	1.1	2.9	2.2	1.9	4.1	0.8	1.5	2.3	0.7	1.6	2.3	7.4	9.2	16.6	45%	55%
Oct	2.1	0.5	2.6	-	2.2	2.2	1.9	0.9	2.8	2.2	2.0	4.2	0.8	1.5	2.3	0.8	1.5	2.3	7.8	8.6	16.4	48%	52%
Nov	2.1	0.5	2.6	-	1.9	1.9	1.6	1.0	2.6	2.1	1.9	4.0	0.7	1.3	2.0	0.8	1.5	2.3	7.3	8.1	15.4	47%	53%
Dec	2.4	0.5	2.9	-	2.1	2.1	1.7	0.7	2.4	2.2	1.9	4.1	0.9	1.4	2.3	0.9	1.6	2.5	8.1	8.2	16.3	50%	50%

Source: Central Water Authority

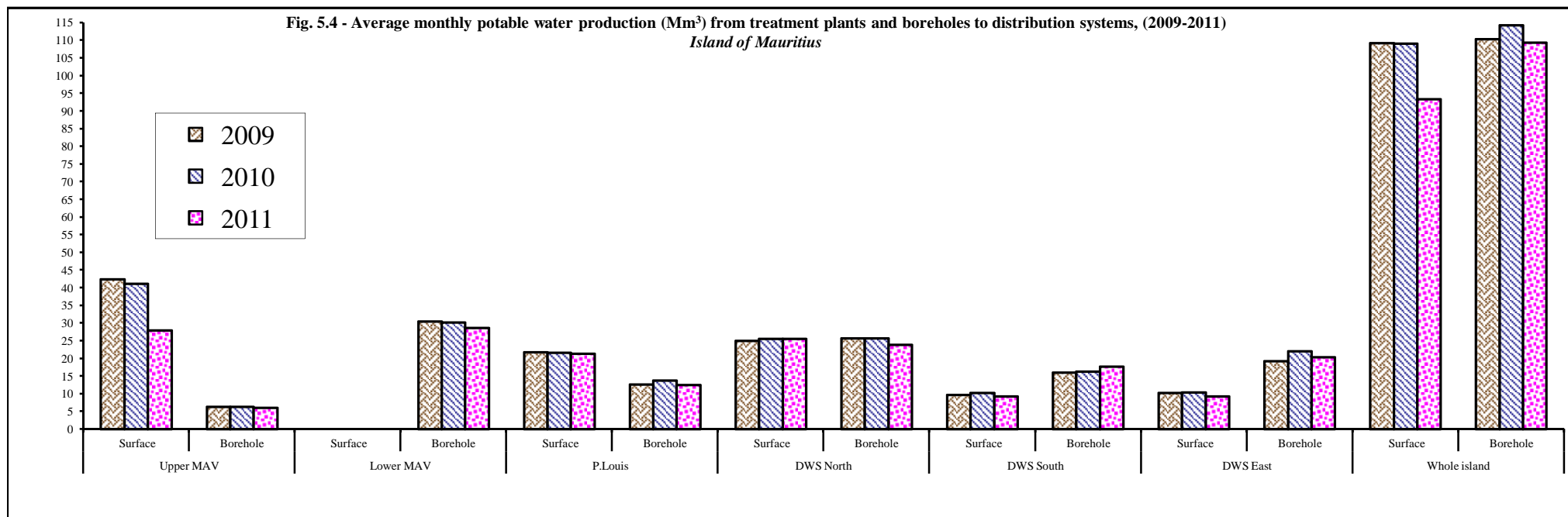


Table 5.10 - Water sales by tariff of subscriber, 2007 - 2011 (Island of Mauritius)

Type of tariff	2007	2008	2009	2010	2011	2007	2008	2009	2010	2011
	No. of subscribers					% distribution of subscribers				
Domestic	278,625	284,592	292,294	299,300	305,121	93.4	93.3	93.0	93.0	92.9
Government	3,879	4,053	4,184	4,224	4,288	1.3	1.3	1.3	1.3	1.3
Acquired / concessionary prizes	43	44	43	39	39	0.0	0.0	0.0	0.0	0.0
Commercial	11,260	11,855	12,822	13,308	13,696	3.8	3.9	4.1	4.1	4.2
Hotels, Guest Houses	224	264	280	297	307	0.1	0.1	0.1	0.1	0.1
Industrial	744	716	697	661	648	0.2	0.2	0.2	0.2	0.2
Ship	1	1	1	1	1	0.0	0.0	0.0	0.0	0.0
Sub total	294,776	301,525	310,321	317,830	324,100	98.9	98.8	98.8	98.7	98.7
Vegetable & Livestock producers	3,129	3,281	3,611	3,774	3,915	1.0	1.1	1.1	1.2	1.2
Total potable water	297,905	304,806	313,932	321,604	328,015	99.9	99.9	99.9	99.9	99.9
Total non-treated water (Agriculture/Industrial)	278	286	294	296	311	0.1	0.1	0.1	0.1	0.1
Grand Total	298,183	305,092	314,226	321,900	328,326	100.0	100.0	100.0	100.0	100.0
	Volume sold (thousand m³)					% Consumption				
Domestic	73,007	72,093	75,119	76,521	73,657	66.0	66.2	68.1	66.5	64.8
Government	4,686	4,788	4,956	4,887	4,444	4.2	4.4	4.5	4.2	3.9
Acquired / concessionary prizes	16	15	14	14	15	0.0	0.0	0.0	0.0	0.0
Commercial	6,743	7,086	7,543	7,973	7,423	6.1	6.5	6.8	6.9	6.6
Hotels, Guest Houses	4,429	4,595	4,652	5,057	5,154	4.0	4.2	4.2	4.4	4.6
Industrial	4,827	3,995	4,055	4,285	4,258	4.4	3.7	3.7	3.7	3.8
Ship	38	50	52	48	49	0.0	0.0	0.0	0.0	0.0
Sub total	93,746	92,622	96,392	98,785	95,000	84.7	85.1	87.4	85.7	83.7
Vegetable & Livestock producers	1,421	1,403	1,455	1,536	1,456	1.3	1.3	1.3	1.3	1.3
Total potable water	95,167	94,025	97,847	100,321	96,456	86.0	86.4	88.7	87.2	85.0
Total non-treated water (Agriculture/Industrial)	15,490	14,799	12,419	14,678	16,912	14.0	13.6	11.3	12.8	15.0
Grand Total	110,657	108,824	110,266	114,999	113,369	100.0	100.0	100.0	100.0	100.0
	Amount collectible Rs.(000)					Average sales price (Rs/m³)				
Domestic	549,907	509,134	536,537	550,641	516,810	7.53	7.06	7.14	7.20	7.07
Government	84,235	85,883	88,736	86,815	78,037	17.98	17.94	17.91	17.77	17.56
Acquired / concessionary prizes	117	87	73	78	103	7.31	5.87	5.04	5.41	6.73
Commercial	115,157	120,113	127,860	134,923	124,182	17.08	16.95	16.95	16.92	16.73
Hotels, Guest Houses	129,650	134,117	135,515	147,363	148,415	29.27	29.19	29.13	29.14	28.80
Industrial	72,998	59,782	60,900	64,151	63,870	15.12	14.96	15.02	14.97	15.00
Ship	1,070	1,399	1,469	1,412	1,392	28.00	28.00	28.00	29.19	28.43
Sub total	953,134	910,515	951,088	985,383	932,809	10.17	9.83	9.87	9.98	9.88
Vegetable & Livestock producers	11,282	11,024	11,735	12,058	11,055	7.94	7.86	8.06	7.85	7.59
Total potable water	964,416	921,539	962,823	997,441	943,864	10.13	9.80	9.84	9.94	9.85
Total non-treated water (Agriculture/Industrial)	41,120	40,316	35,985	38,349	42,269	2.65	2.72	2.90	2.61	2.50
Grand Total	1,005,536	961,855	998,808	1,035,790	986,133	9.09	8.84	9.06	9.01	8.75

Source: Central Water Authority

Section VI

Energy and Water data from Censuses & 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

Geographical location	Housing Census 2000				Housing Census 2011					
	Availability of electricity									Households having Residual Current Device (RCD)
	Available	Not available	Not stated	Total	Available	Not available	Not stated	Total		
Island of Mauritius										
Port Louis	32,420	328	5	32,753	32,506	209	8	32,723	23,262	
Pamplemousses	29,627	258	1	29,886	35,943	207	0	36,150	27,778	
Riviere du Rempart	24,269	169	4	24,442	29,292	80	1	29,373	20,250	
Flacq	30,353	345	15	30,713	36,458	166	1	36,625	24,722	
Grand Port	26,413	261	2	26,676	30,210	150	-	30,360	20,757	
Savanne	16,680	133	5	16,818	18,916	76	-	18,992	12,300	
Plaines Wilhems	93,337	405	20	93,762	103,786	126	9	103,921	76,289	
Moka	18,428	110	3	18,541	22,058	62	2	22,122	15,401	
Black River	15,217	358	4	15,579	20,894	131	-	21,025	16,945	
Total	286,744	2,367	59	289,170	330,063	1,207	21	331,291	237,704	
	(99.2 %)	(0.8 %)	(0.0 %)	(100.0 %)	(99.6 %)	(0.4 %)	(0.0 %)	(100.0 %)	(71.8 %)	
Island of Rodrigues	8,183	460	8	8,651	10,501	487	-	10,988	7,156	
Agalega	58	2	-	60	74	5	-	79	75	
Republic of Mauritius	294,985	2,829	67	297,881	340,638	1,699	21	342,358	244,935	
	(99.0 %)	(1.0 %)	(0.0 %)	(100.0 %)	(99.5 %)	(0.5 %)	(0.0 %)	(100.0 %)	(71.5 %)	

Fig. 6.1a- Percentage of private households with electricity, 1990, 2000 and 2011 Housing Censuses

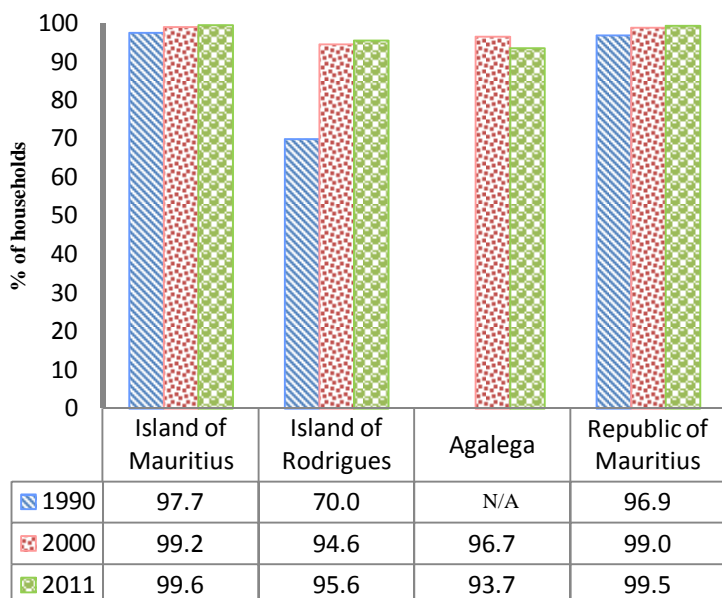


Fig. 6.1b - Percentage of households having Residual Current Device (RCD), Housing Census 2011

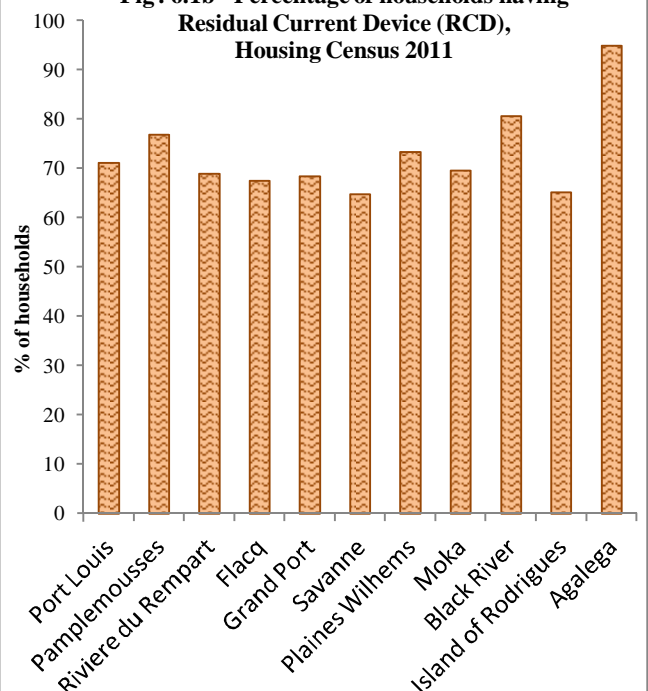


Table 6.2 - Private households by geographical location and principal fuel used for cooking, Housing Censuses 2000 & 2011

Geographical location	Principal fuel used for cooking							
	Wood	Charcoal	Kerosene	Electricity	Gas	Other	Not Stated	Total
Housing Census 2000								
Island of Mauritius								
Port Louis	457	131	1,042	132	30,891	95	5	32,753
Pamplemousses	1,573	45	1,062	94	27,083	29	-	29,886
Riviere du Rempart	1,925	8	972	77	21,441	19	-	24,442
Flacq	3,166	36	1,144	71	26,270	26	-	30,713
Grand Port	1,511	20	1,300	121	23,665	59	-	26,676
Savanne	585	17	984	35	15,183	14	-	16,818
Plaines Wilhems	785	207	1,833	837	89,988	112	-	93,762
Moka	367	6	756	45	17,362	5	-	18,541
Black River	1,043	51	449	68	13,954	14	-	15,579
Total	11,412	521	9,542	1,480	265,837	373	5	289,170
	(4.0 %)	(0.2 %)	(3.3 %)	(0.5 %)	(91.9 %)	(0.1 %)	(0.0 %)	(100.0 %)
Island of Rodrigues	1,509	17	487	106	6,524	8	-	8,651
Agalega	2	-	-	-	58	-	-	60
Republic of Mauritius	12,923	538	10,029	1,586	272,419	381	5	297,881
	(4.3 %)	(0.2 %)	(3.4 %)	(0.5 %)	(91.5 %)	(0.1 %)	(0.0 %)	(100.0 %)
Housing Census 2011								
Island of Mauritius								
Port Louis	147	46	39	64	32,350	39	38	32,723
Pamplemousses	536	20	25	50	35,505	14	-	36,150
Riviere du Rempart	776	14	5	50	28,494	23	11	29,373
Flacq	1,029	24	8	19	35,513	25	7	36,625
Grand Port	535	21	31	37	29,728	7	1	30,360
Savanne	184	4	18	13	18,766	6	1	18,992
Plaines Wilhems	246	57	118	503	102,519	33	445	103,921
Moka	160	4	16	33	21,890	12	7	22,122
Black River	380	27	24	74	20,499	5	16	21,025
Total	3,993	217	284	843	325,264	164	526	331,291
	(1.2 %)	(0.1 %)	(0.1 %)	(0.2 %)	(98.2 %)	(0.0 %)	(0.2 %)	(100.0 %)
Island of Rodrigues	2,305	41	36	91	8,503	12	-	10,988
Agalega	-	-	-	-	79	-	-	79
Republic of Mauritius	6,298	258	320	934	333,846	176	526	342,358
	(1.8 %)	(0.1 %)	(0.1 %)	(0.3 %)	(97.5 %)	(0.0 %)	(0.2 %)	(100.0 %)

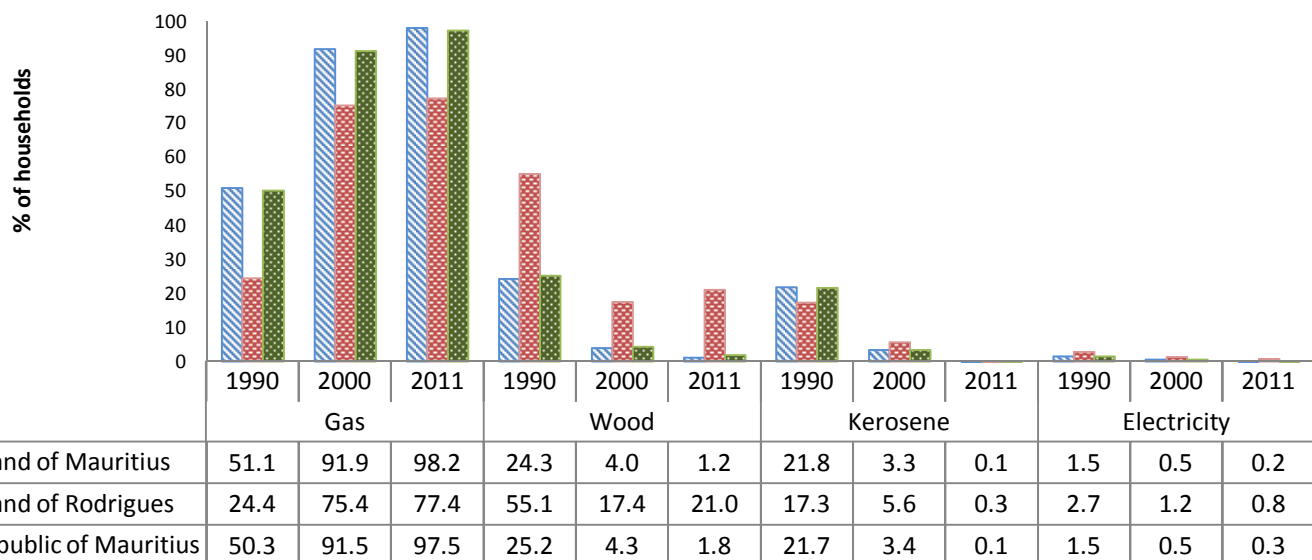
Fig. 6.2 - Percentage distribution of households by principal fuel used for cooking, Housing Censuses 1990, 2000 & 2011

Table 6.3 - Private households by geographical location and principal fuel used for heating water for bathing¹, Housing Censuses 2000 & 2011

Geographical location	Principal fuel used for heating water for bathing						Total
	Electricity	Gas	Solar	Other	None ²	Not Stated	
Housing Census 2000							
Island of Mauritius							
Port Louis	8,690	7,921	826	525	14,791	5	32,753
Pamplemousses	4,143	6,820	1,727	1,375	15,821	-	29,886
Riviere du Rempart	2,642	9,707	1,351	2,959	7,783	-	24,442
Flacq	3,283	13,071	1,033	3,842	9,484	-	30,713
Grand Port	4,912	14,059	351	3,647	3,707	-	26,676
Savanne	2,790	10,101	265	2,446	1,216	-	16,818
Plaines Wilhems	40,591	37,267	4,673	4,159	7,072	-	93,762
Moka	4,153	10,258	483	2,309	1,338	-	18,541
Black River	3,190	7,104	745	1,977	2,563	-	15,579
Total	74,394	116,308	11,454	23,239	63,775	5	289,170
	(25.7 %)	(40.2 %)	(4.0 %)	(8.0 %)	(22.1 %)	(0.0%)	(100.0 %)
Island of Rodrigues	454	471	73	154	7,499	-	8,651
Agalega	-	12	-	-	48	-	60
Republic of Mauritius	74,848	116,791	11,527	23,393	71,322	5	297,881
	(25.1 %)	(39.2 %)	(3.9 %)	(7.9 %)	(23.9 %)	(0.0%)	(100.0 %)
Housing Census 2011							
Island of Mauritius							
Port Louis	6,715	16,959	2,378	404	6,230	37	32,723
Pamplemousses	2,752	20,697	6,005	589	6,107	-	36,150
Riviere du Rempart	1,680	19,705	4,690	1,474	1,815	9	29,373
Flacq	1,719	22,440	4,739	1,139	6,579	9	36,625
Grand Port	2,114	19,170	2,887	346	5,838	5	30,360
Savanne	1,284	15,090	1,528	638	451	1	18,992
Plaines Wilhems	20,740	60,687	12,900	1,036	8,098	460	103,921
Moka	1,989	14,621	2,900	385	2,218	9	22,122
Black River	1,932	11,354	2,946	575	4,202	16	21,025
Total	40,925	200,723	40,973	6,586	41,538	546	331,291
	(12.4 %)	(60.6 %)	(12.4 %)	(2.0 %)	(12.5 %)	(0.2 %)	(100.0 %)
Island of Rodrigues	563	2,703	869	859	5,994	-	10,988
Agalega	2	-	-	-	77	-	79
Republic of Mauritius	41,490	203,426	41,842	7,445	47,609	546	342,358
	(12.1%)	(59.4 %)	(12.2 %)	(2.2 %)	(13.9 %)	(0.2 %)	(100.0 %)

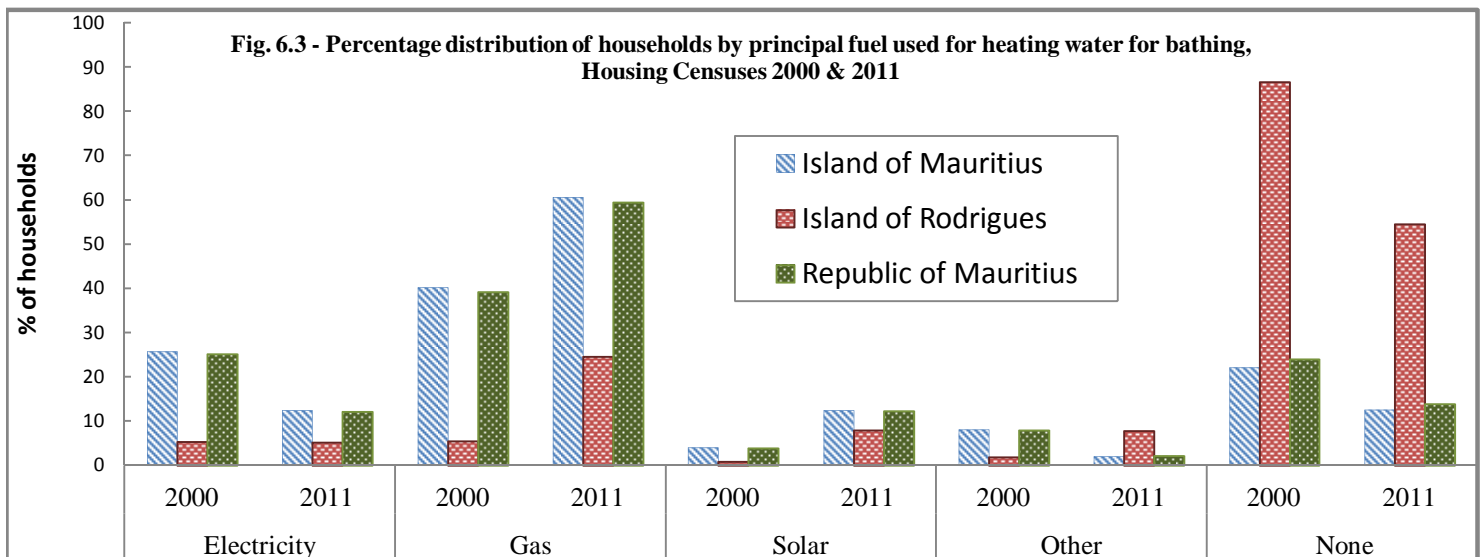
¹ The water need not be heated in the bathroom² Includes households where hot water is not regularly used for bathing

Table 6.4 - Private households by geographical location and type of water supply - Housing Censuses 2000 & 2011

Geographical location	Type of water supply							Total
	Piped water			Tank wagon	Well/river	Other	Not stated	
	Inside housing units	Outside on premises	Outside public fountain					
Housing Census 2000								
Island of Mauritius								
Port Louis	25,245	6,945	333	10	2	216	2	32,753
Pamplemousses	24,093	5,498	78	14	16	187	-	29,886
Riviere du Rempart	20,220	3,912	140	3	-	167	-	24,442
Flacq	22,763	7,207	154	13	9	565	2	30,713
Grand Port	22,202	3,882	66	54	20	452	-	26,676
Savanne	13,801	2,526	123	0	17	351	-	16,818
Plaines Wilhems	89,868	3,636	14	4	9	230	1	93,762
Moka	16,134	2,171	24	28	11	172	1	18,541
Black River	11,879	3,085	181	7	12	414	1	15,579
Total	246,205	38,862	1,113	133	96	2,754	7	289,170
	(85.1%)	(13.4%)	(0.4%)	(0.0%)	(0.0%)	(1.0%)	(0.0%)	(100.0%)
Island of Rodrigues	3,163	4,270	359	67	410	382	-	8,651
Agalega	-	-	-	-	-	60	-	60
Republic of Mauritius	249,368	43,132	1,472	200	506	3,196	7	297,881
	(83.7%)	(14.5%)	(0.5%)	(0.1%)	(0.2%)	(1.1%)	(0.0%)	(100.0%)
Housing Census 2011								
Island of Mauritius								
Port Louis	30,127	2,397	59	5	11	112	12	32,723
Pamplemousses	34,101	1,840	95	5	18	91	-	36,150
Riviere du Rempart	27,799	1,473	19	1	0	79	2	29,373
Flacq	34,169	2,307	29	0	5	112	3	36,625
Grand Port	28,987	1,230	15	20	21	87	0	30,360
Savanne	17,790	1,056	43	0	7	94	2	18,992
Plaines Wilhems	102,994	826	5	3	2	79	12	103,921
Moka	21,481	549	22	2	14	49	-	22,122
Black River	19,242	1,615	3	-	4	157	4	21,025
Total	316,690	13,293	290	36	82	860	40	331,291
	(95.6%)	(4.0%)	(0.1%)	(0.0%)	(0.0%)	(0.3%)	(0.0%)	(100.0%)
Island of Rodrigues	5,987	4,356	76	37	120	411	1	10,988
Agalega	56	-	-	-	23	-	-	79
Republic of Mauritius	322,733	17,649	366	73	225	1,271	41	342,358
	(94.3%)	(5.2%)	(0.1%)	(0.0%)	(0.1%)	(0.4%)	(0.0%)	(100.0%)

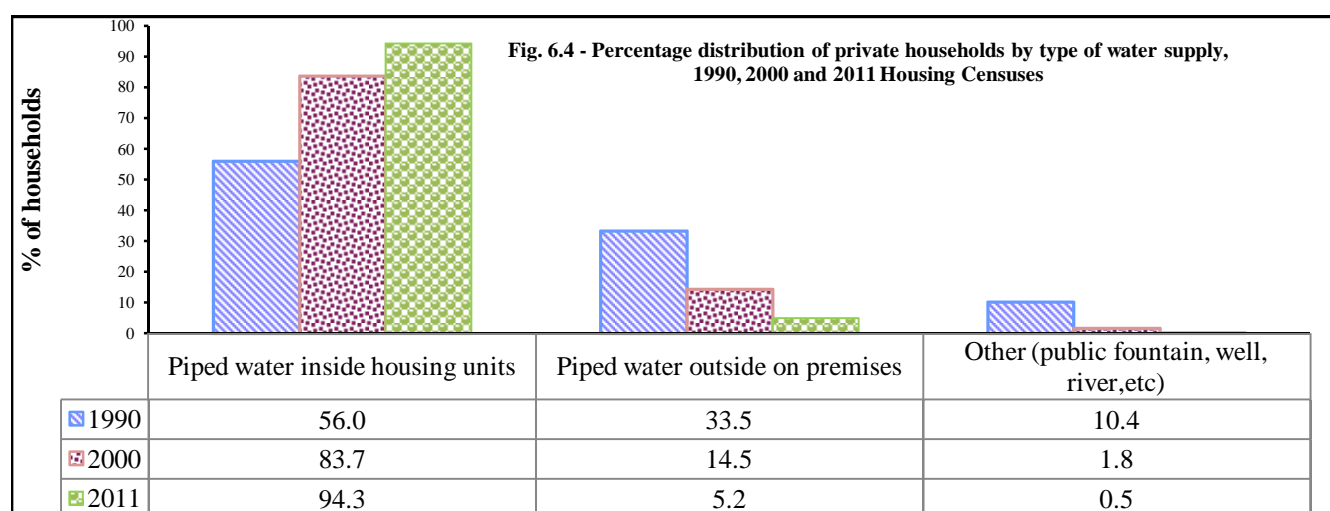


Table 6.5 - Private households by geographical location and availability of water tank - Housing Censuses 2000 & 2011

Geographical location	Availability of domestic water tank/reservoir							
	Available	Not Available	Not stated	Total	Available	Not Available	Not stated	Total
	Housing Census 2000				Housing Census 2011			
Port Louis	8,990	23,758	5	32,753	14,639	18,045	39	32,723
Pamplemousses	10,492	19,392	2	29,886	15,544	20,597	9	36,150
Riviere du Rempart	8,401	16,031	10	24,442	15,305	14,056	12	29,373
Flacq	6,617	24,081	15	30,713	13,154	23,466	5	36,625
Grand Port	7,870	18,799	7	26,676	12,751	17,604	5	30,360
Savanne	3,757	13,059	2	16,818	5,534	13,455	3	18,992
Plaines Wilhems	48,088	45,647	27	93,762	62,462	41,409	50	103,921
Moka	6,289	12,248	4	18,541	10,713	11,397	12	22,122
Black River	4,730	10,842	7	15,579	9,065	11,949	11	21,025
Total Island of Mauritius	105,234 <i>(36.4%)</i>	183,857 <i>(63.6%)</i>	79 <i>(0.0%)</i>	289,170 <i>(100.0%)</i>	159,167 <i>(48.1%)</i>	171,978 <i>(51.9%)</i>	146 <i>(0.0%)</i>	331,291 <i>(100.0%)</i>
Island of Rodrigues	3,273	5,372	6	8,651	10,215	772	1	10,988
Agalega	40	20	-	60	79	-	-	79
Republic of Mauritius	108,547 <i>(36.4%)</i>	189,249 <i>(63.5%)</i>	85 <i>(0.0%)</i>	297,881 <i>(100.0%)</i>	169,461 <i>(49.5%)</i>	172,750 <i>(50.5%)</i>	147 <i>(0.0%)</i>	342,358 <i>(100.0%)</i>

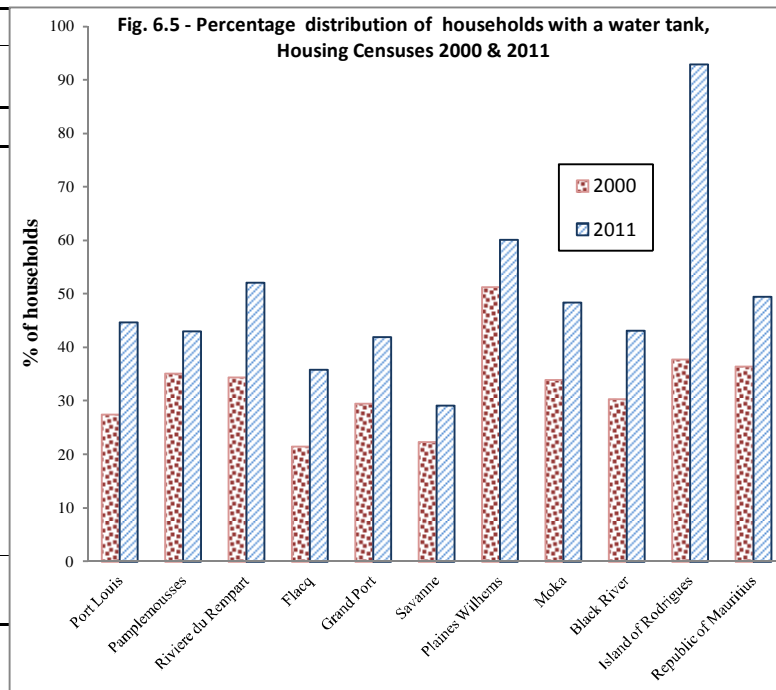
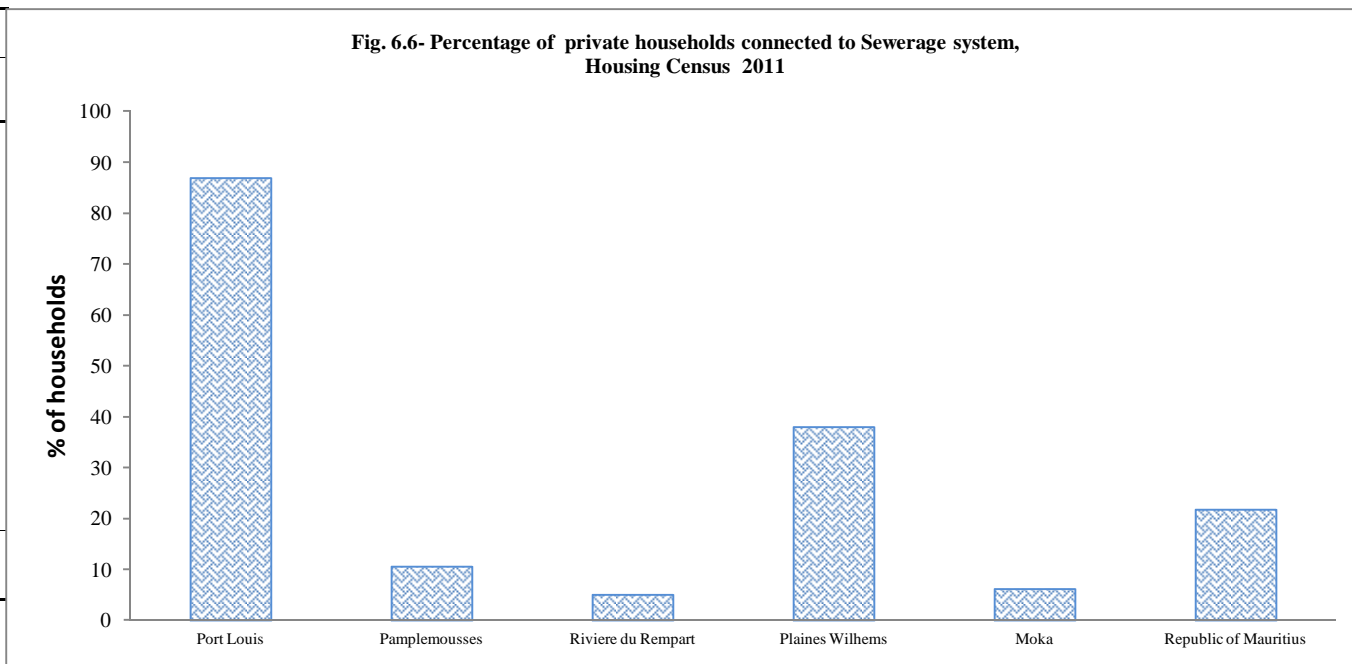


Table 6.6 - Private households by geographical location and connection to sewerage system - Housing Census 2011

Geographical location	Connection to Sewerage system		
	Connected	Not connected	Total
Port Louis	28,442	4,281	32,723
Pamplemousses	3,848	32,302	36,150
Riviere du Rempart	1,473	27,900	29,373
Flacq	-	36,625	36,625
Grand Port	-	30,360	30,360
Savanne	-	18,992	18,992
Plaines Wilhems	39,496	64,425	103,921
Moka	1,372	20,750	22,122
Black River	28	20,997	21,025
Total Island of Mauritius	74,659 <i>(22.5%)</i>	256,632 <i>(77.5%)</i>	331,291 <i>(100.0%)</i>
Island of Rodrigues	-	10,988	10,988
Agalega	-	79	79
Republic of Mauritius	74,659 <i>(21.8%)</i>	267,699 <i>(78.2%)</i>	342,358 <i>(100.0%)</i>



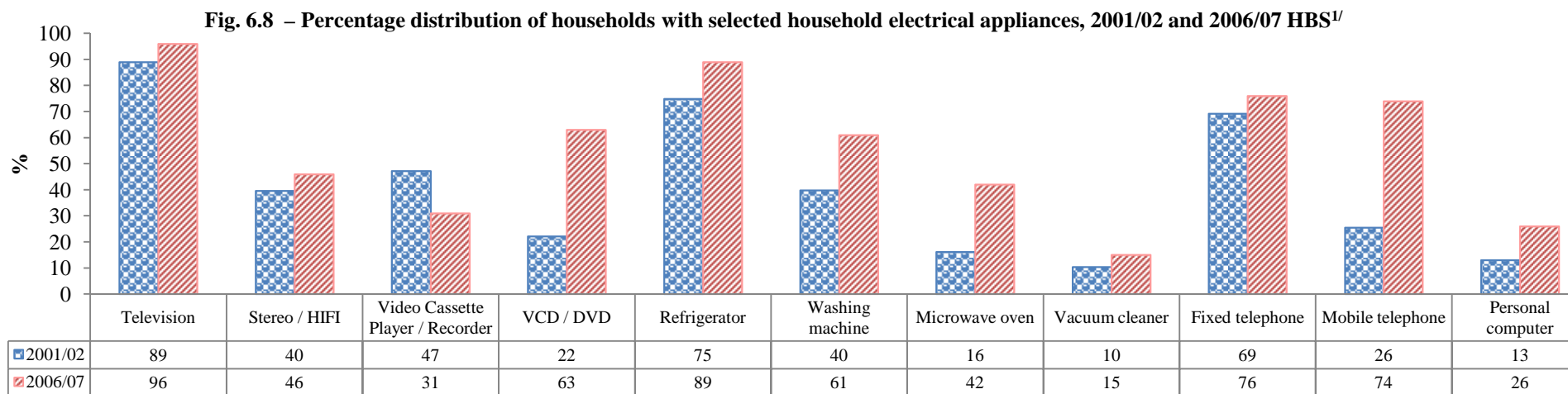
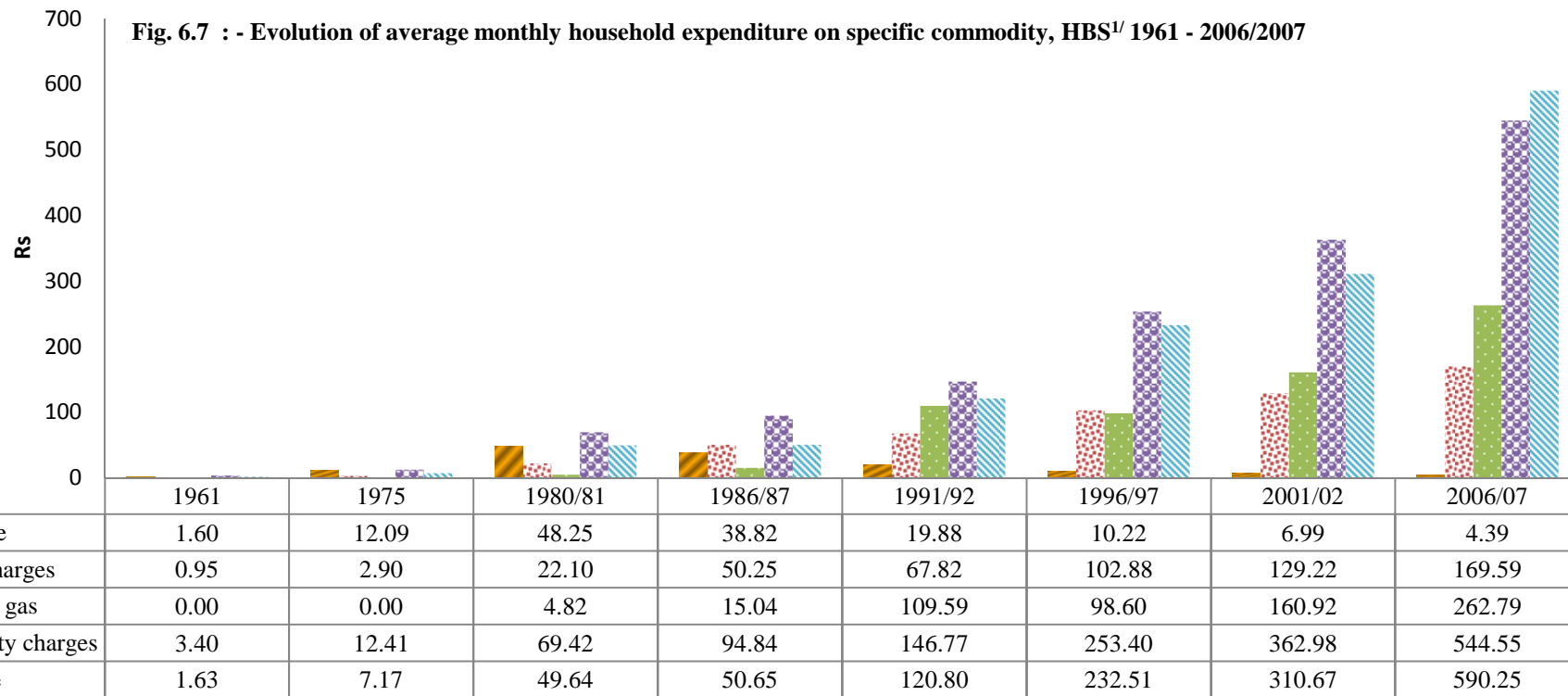


Table 6.7 - Distribution of average monthly household consumption expenditure by *Income Class* for selected energy and water related items as at HBS ^{1/} 2001/2002 and 2006/2007

Classification of individual consumption according to purpose (COICOP)	Income Class																	
	All income Classes		Less than 2,000		2,000 to <5,000		5,000 to <7,500		7,500 to <10,000		10,000 to <15,000		15,000 to <20,000		20,000 to <30,000		30,000+	
	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007
	<i>Rupees</i>																	
Water supply	129.95	169.59	64.09	107.23	81.92	101.29	106.69	126.38	110.37	149.61	134.80	159.13	149.56	174.00	163.74	197.71	188.56	219.96
Sewage collection	12.10	28.55	7.05	0.00	9.05	15.34	9.14	16.55	9.12	22.05	12.60	29.39	15.48	28.28	15.69	32.90	16.28	40.75
Electricity	363.64	544.55	130.66	293.69	172.30	258.19	234.55	315.06	289.04	386.74	342.06	461.23	430.41	552.20	515.08	655.79	789.22	931.41
Cooking gas (LPG)	160.92	262.79	68.43	149.11	116.49	163.14	143.71	219.07	157.67	225.94	168.07	260.57	185.22	274.47	181.84	307.71	174.59	299.28
Liquid fuels	8.17	5.11	10.81	37.83	8.97	8.66	8.31	7.04	6.92	5.75	11.20	6.54	6.15	3.92	4.46	3.62	8.95	2.25
Solid fuels	1.01	1.76	2.55	0.00	0.94	1.78	0.69	1.83	1.56	0.95	0.66	0.68	1.12	2.77	0.57	1.46	1.84	3.40
Fuels and lubricants for personal transport equipment	366.47	743.80	7.52	1.36	14.33	25.17	70.52	78.86	124.23	161.51	227.55	288.66	427.97	544.02	823.76	1,075.17	1,657.98	2,529.55
All items	10,220.25	14,300.26	2,898.23	3,987.70	3,749.48	4,317.14	5,717.74	6,181.31	7,374.49	8,343.76	9,503.82	10,570.38	12,468.58	13,683.83	16,121.20	18,114.97	24,231.00	30,690.76
	<i>Percentage of total household consumption expenditure</i>																	
Water supply	1.27	1.19	2.21	2.69	2.18	2.35	1.87	2.04	1.50	1.79	1.42	1.51	1.20	1.27	1.02	1.09	0.78	0.72
Sewage collection	0.12	0.20	0.24	0.00	0.24	0.36	0.16	0.27	0.12	0.26	0.13	0.28	0.12	0.21	0.10	0.18	0.07	0.13
Electricity	3.56	3.81	4.51	7.36	4.60	5.98	4.10	5.10	3.92	4.64	3.60	4.36	3.45	4.04	3.20	3.62	3.26	3.03
Cooking gas (LPG)	1.57	1.84	2.36	3.74	3.11	3.78	2.51	3.54	2.14	2.71	1.77	2.47	1.49	2.01	1.13	1.70	0.72	0.98
Liquid fuels	0.08	0.04	0.31	0.95	0.24	0.20	0.15	0.11	0.09	0.07	0.12	0.06	0.05	0.03	0.03	0.02	0.04	0.01
Solid fuels	0.01	0.01	0.09	0.00	0.03	0.04	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.02	0.00	0.01	0.01	0.01
Fuels and lubricants for personal transport equipment	3.59	5.20	0.26	0.03	0.38	0.58	1.23	1.28	1.68	1.94	2.39	2.73	3.43	3.98	5.11	5.94	6.84	8.24

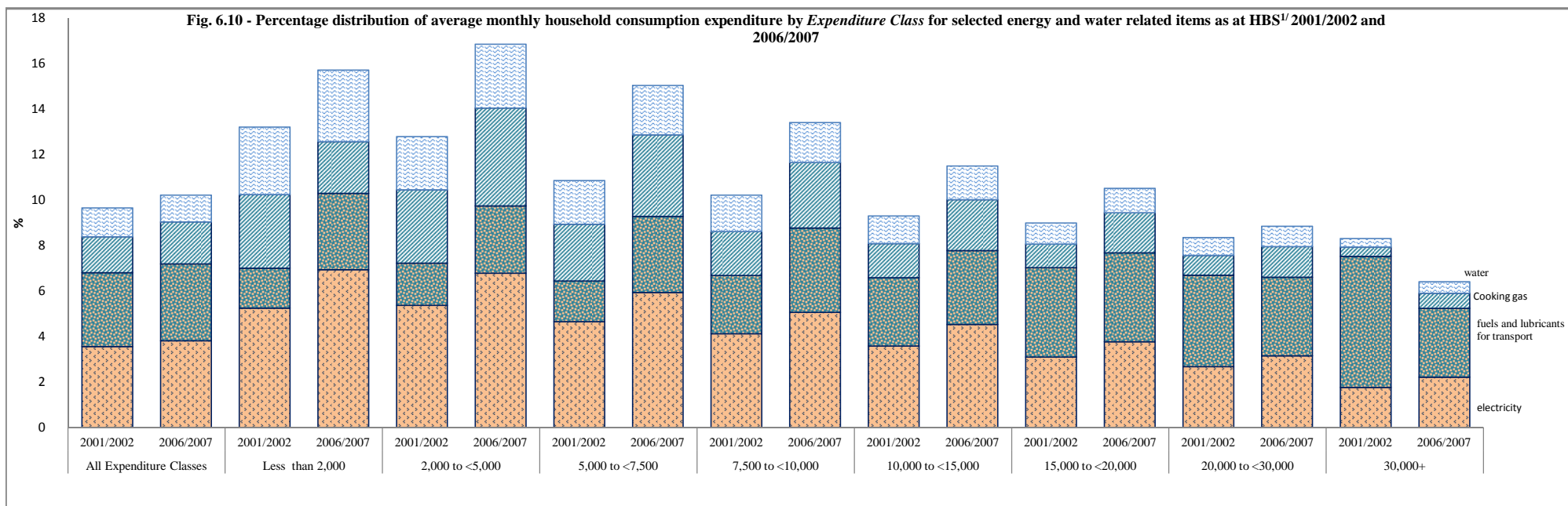


^{1/} Household Budget Survey

Table 6.8 - Distribution of average monthly household consumption expenditure by Expenditure Class for selected energy and water related items as at HBS^{1/} 2001/2002 and 2006/2007

Classification of individual consumption according to purpose (COICOP)	Expenditure Class																	
	All Expenditure Classes		Less than 2,000		2,000 to <5,000		5,000 to <7,500		7,500 to <10,000		10,000 to <15,000		15,000 to <20,000		20,000 to <30,000		30,000+	
	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007	2001/2002	2006/2007
<i>Rupees</i>																		
Water supply	129.95	169.59	43.13	46.46	89.42	104.50	119.73	136.39	138.48	153.31	147.06	179.98	157.56	184.28	186.27	215.71	181.91	239.71
Sewage collection	12.10	28.55	5.55	2.35	8.81	14.16	9.62	17.68	13.76	25.97	14.77	29.28	13.86	44.54	16.93	34.48	14.45	38.64
Electricity	363.64	544.55	76.37	102.40	204.85	253.30	290.61	372.12	357.38	441.58	433.26	553.49	527.10	645.30	633.43	756.49	843.49	1,037.83
Cooking gas (LPG)	160.92	262.79	47.10	33.69	122.84	161.15	156.74	225.19	167.93	251.19	182.16	274.02	177.03	302.54	207.50	323.18	194.31	315.63
Liquid fuels	8.17	5.11	8.25	7.51	8.41	5.41	7.74	6.72	7.41	6.13	7.60	5.90	8.59	4.41	5.28	2.27	26.50	1.34
Solid fuels	1.01	1.76	1.96	0.00	0.87	1.15	0.54	0.54	1.04	2.49	0.12	1.23	0.54	1.78	1.34	3.35	13.79	2.83
Fuels and lubricants for personal transport equipment	331.62	483.93	25.59	49.57	70.64	110.55	112.04	209.78	221.88	323.08	364.30	396.02	670.77	672.39	954.01	830.20	2,769.47	1,422.47
All purposes	10,220.25	14,300.00	1,455.36	1,476.86	3,814.47	3,736.48	6,257.59	6,273.61	8,674.66	8,722.10	12,113.28	12,212.13	17,043.59	17,155.89	23,722.75	24,015.43	48,006.26	47,041.71
<i>Percentage of total household consumption expenditure</i>																		
Water supply	1.27	1.19	2.96	3.15	2.34	2.80	1.91	2.17	1.60	1.76	1.21	1.47	0.92	1.07	0.79	0.90	0.38	0.51
Sewage collection	0.12	0.20	0.38	0.16	0.23	0.38	0.15	0.28	0.16	0.30	0.12	0.24	0.08	0.26	0.07	0.14	0.03	0.08
Electricity	3.56	3.81	5.25	6.93	5.37	6.78	4.64	5.93	4.12	5.06	3.58	4.53	3.09	3.76	2.67	3.15	1.76	2.21
Cooking gas (LPG)	1.57	1.84	3.24	2.28	3.22	4.31	2.50	3.59	1.94	2.88	1.50	2.24	1.04	1.76	0.87	1.35	0.40	0.67
Liquid fuels	0.08	0.04	0.57	0.51	0.22	0.14	0.12	0.11	0.09	0.07	0.06	0.05	0.05	0.03	0.02	0.01	0.06	0.00
Solid fuels	0.01	0.01	0.13	0.00	0.02	0.03	0.01	0.01	0.01	0.03	0.00	0.01	0.00	0.01	0.01	0.01	0.03	0.01
Fuels and lubricants for personal transport equipment	3.24	3.38	1.76	3.36	1.85	2.96	1.79	3.34	2.56	3.70	3.01	3.24	3.94	3.92	4.02	3.46	5.77	3.02

85



^{1/} Household Budget Survey

Table 6.9 - Average monthly household consumption expenditure for Transport and Housing divisions of COICOP^{1/} by quintile^{2/} group of household income at HBS 2001/2002 and 2006/2007

Classification of individual consumption according to purpose (COICOP) Division	First Quintile		Second Quintile		Third quintile		Fourth quintile		Fifth quintile		All classes													
	2001/2002		2006/2007		2001/2002		2006/2007		2001/2002		2006/2007													
	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%												
Average monthly household consumption expenditure																								
Housing, water, electricity, gas & other fuels	556	12.3	903	14.7	746	10.7	1209	12.7	877	9.8	1369	11.3	1168	10.0	1689	10.6	1691	8.9	2320	8.3	1007	9.9	1498	10.5
Transport	394	8.7	413	6.7	831	11.9	805	8.5	1072	12.0	1206	10.0	1569	13.4	2379	14.9	2952	15.5	6675	24.0	1363	13.3	2295	16.0
All items	4508	100	6141	100	6957	100	9497	100	8935	100	12063	100	11719	100	15983	100	18991	100	27830	100	10220	100	14300	100
Per capita monthly household consumption expenditure																								
Housing, water, electricity, gas & other fuels	196	12.3	450	15.7	203	10.7	403	13.0	216	9.8	417	11.4	269	10.0	494	10.8	375	8.9	660	8.6	259	9.8	485	11.1
Transport	139	8.7	179	6.2	226	12.0	279	9.0	264	12.0	372	10.2	361	13.4	721	15.8	655	15.6	1917	25.0	351	13.3	693	15.9
All items	1590	100	2865	100	1891	100	3089	100	2202	100	3658	100	2698	100	4575	100	4211	100	7658	100	2631	100	4369	100

Fig. 6.11 - Percentage of monthly household consumption expenditure for Transport and Housing divisions of COICOP^{1/} by quintile group of household income HBS 2001/2002 and 2006/2007

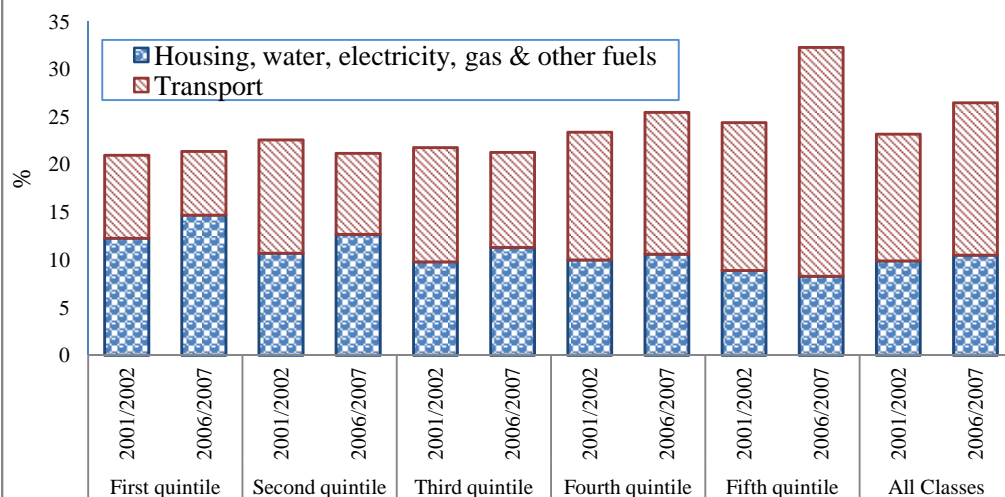
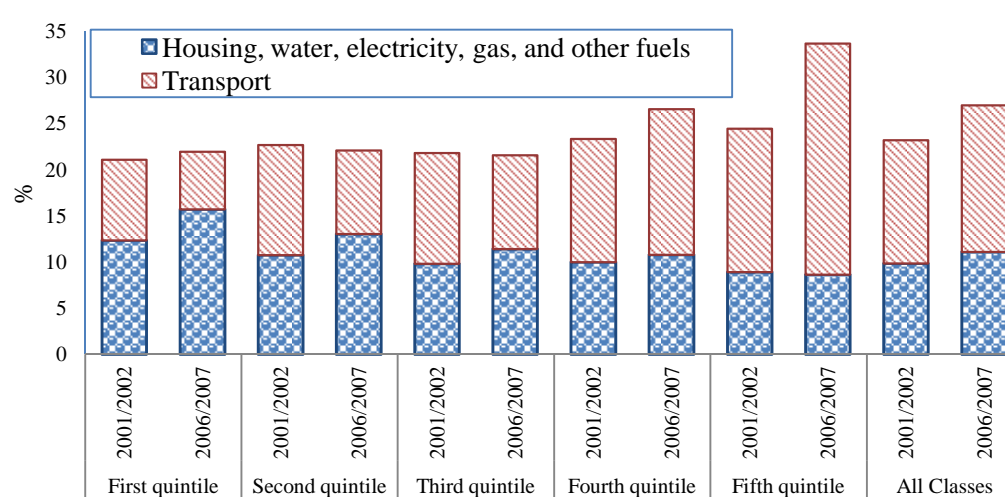


Fig. 6.12 - Percentage of per capita monthly household consumption expenditure for Transport and Housing divisions of COICOP^{1/} by quintile group of household income HBS 2001/2002 and 2006/2007



1/ Classification of individual consumption according to purpose

Table 6.10 - Household expenditure for selected energy and water related items by district, CMPHS^{1/} 2002-2011

	Rs										
	All districts	Port Louis	Pamplemousses	Riviere du Rempart	Flacq	Grand Port	Savanne	Plaines Wilhems	Moka	Black River	Rodrigues
2002											
Average total expenditure	9,127	8,427	8,904	7,979	7,438	8,322	7,674	10,971	9,125	9,801	7,600
Gas	204	183	209	217	210	215	222	201	209	191	196
Water bill	145	163	145	151	145	155	157	143	150	162	8
Waste Water bill	21	91	5	1	1	1	-	30	2	18	3
Electricity bill	486	509	449	413	398	441	393	585	460	543	344
2003											
Average total expenditure	9,689	8,728	9,596	8,807	8,288	8,806	8,434	11,837	9,420	11,238	6,743
Gas	210	192	207	213	221	220	230	216	234	189	176
Water bill	156	184	153	150	179	170	177	169	164	193	2
Waste Water bill	25	122	7	2	-	1	2	34	7	10	-
Electricity bill	493	552	473	436	412	441	405	582	481	591	326
2004											
Average total expenditure	10,272	9,257	9,960	9,932	8,547	9,045	8,102	12,655	10,240	12,669	6,935
Gas	208	181	215	218	210	215	217	213	246	177	180
Water bill	154	176	167	146	163	178	167	167	168	194	1
Waste Water bill	24	98	9	5	1	3	6	35	5	15	2
Electricity bill	528	561	505	481	423	462	445	628	512	636	387
2005											
Average total expenditure	11,111	10,422	11,711	10,431	9,578	10,412	9,607	13,683	11,688	12,618	7,749
Gas	227	191	224	238	234	251	251	232	248	201	191
Water bill	164	183	169	168	176	164	172	174	179	191	2
Waste Water bill	22	96	14	3	2	1	2	40	10	15	1
Electricity bill	565	590	579	524	479	596	467	663	542	642	432
2006											
Average total expenditure	11,654	10,522	12,374	11,541	9,820	11,098	10,216	14,730	11,869	12,403	8,111
Gas	312	261	304	326	320	322	369	327	345	282	236
Water bill	169	186	171	164	174	180	181	182	180	200	8
Waste Water bill	23	86	8	8	1	3	0	51	11	19	1
Electricity bill	581	601	597	571	486	563	494	684	548	675	460
2007											
Average total expenditure	12,337	10,782	13,036	12,737	10,727	11,345	10,500	15,673	12,116	13,700	8,629
Gas	338	288	335	346	360	370	376	356	368	289	260
Water bill	167	188	172	176	178	181	176	174	166	205	0
Waste Water bill	23	103	6	7	0	1	1	44	10	14	2
Electricity bill	624	671	639	657	520	540	530	739	583	727	473
2008											
Average total expenditure	14,045	12,466	16,124	13,854	11,723	13,074	11,454	18,167	13,242	14,917	10,065
Gas	345	283	341	356	362	377	386	365	390	303	253
Water bill	163	166	172	189	176	177	174	162	167	195	1
Waste Water bill	26	113	10	5	3	1	1	47	10	20	1
Electricity bill	712	752	757	707	594	631	579	840	682	843	575
2009^{2/}											
Average total expenditure	16,168	13,889	14,352	16,248	14,352	15,116	13,419	21,291	15,382	17,584	11,201
Gas	335	279	340	327	351	377	376	350	370	304	240
Water bill & Waste Water bill	191	282	182	186	189	181	186	207	177	235	1
Electricity bill	796	862	822	765	682	756	670	931	749	958	555
2010^{2/}											
Average total expenditure	16,872	14,907	17,532	15,897	15,338	16,111	13,930	21,902	16,158	18,954	11,664
Gas	331	282	323	333	352	380	350	342	376	298	249
Water bill & Waste water bill	190	263	189	182	193	187	184	207	181	223	1
Electricity bill	831	898	870	811	766	787	676	965	752	976	581
2011^{2/}											
Average total expenditure	18,341	16,505	18,938	18,631	16,521	17,491	15,467	23,232	17,285	19,937	13,102
Gas	341	285	329	338	361	373	379	351	386	323	269
Water bill & Waste water bill	199	289	196	196	196	185	188	213	187	249	7
Electricity bill	939	1,018	976	966	856	871	770	1,096	825	1,028	728

1/ Continuous Multipurpose Household Survey

2/ Separate figures for Waste Water bill are not available as from 2009

Fig. 6.13- Average household expenditure as at CMPHS^{1/} and average actual price of LPG, electricity and water , 2002-2011

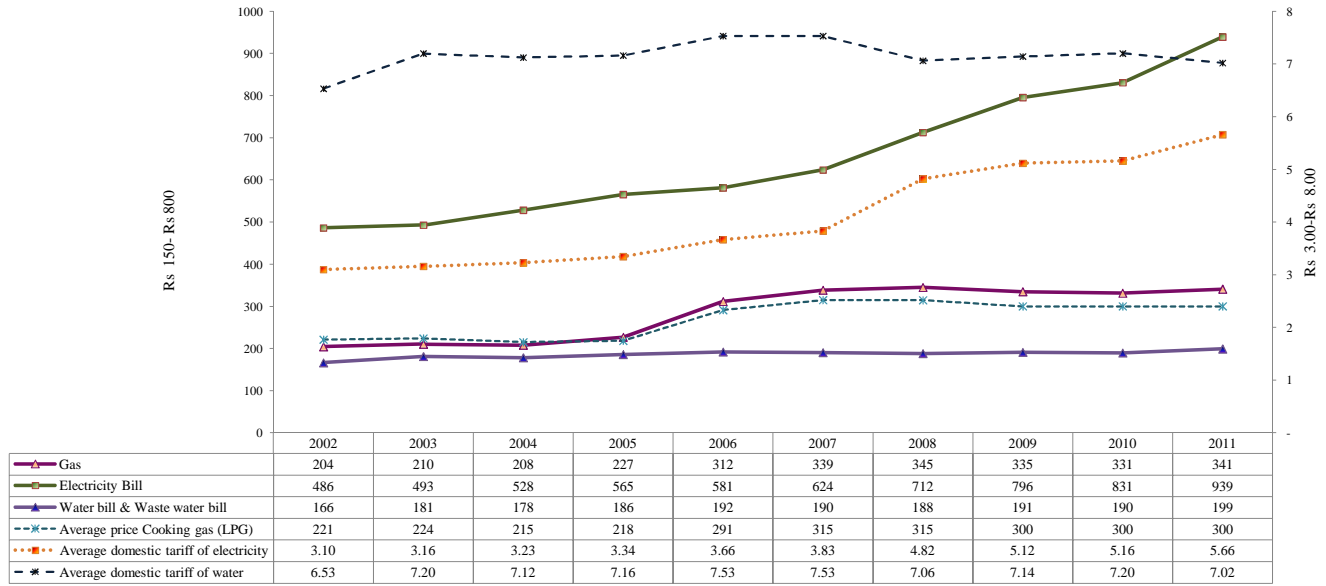


Fig. 6.14 - Percentage household expenditure on gas by district, CMPHS^{1/} 2007-2011

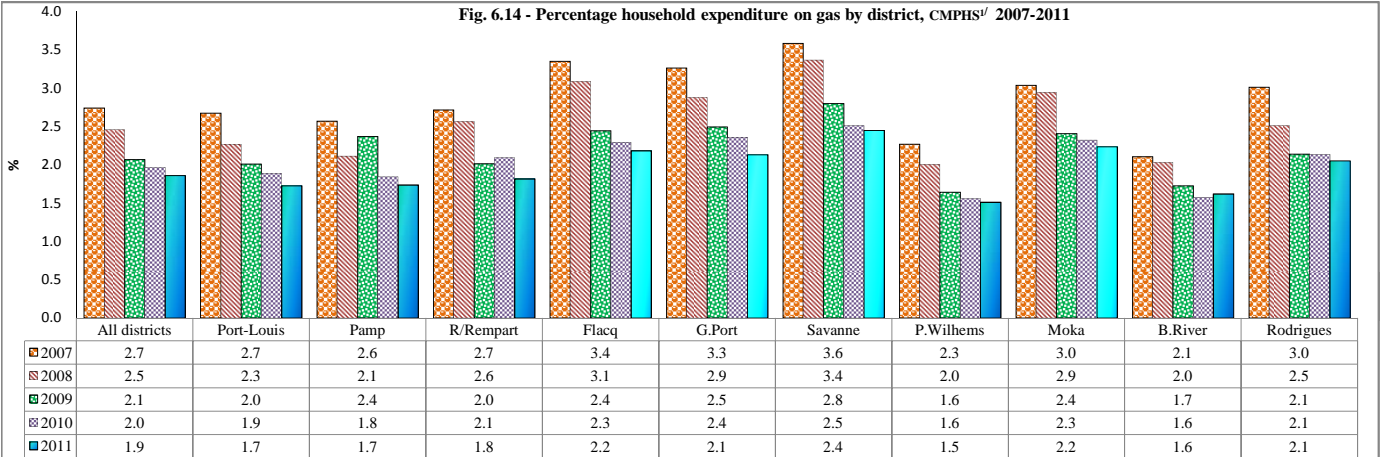


Fig. 6.15 - Percentage household expenditure on Water and Waste Water Bill by district, CMPHS^{1/} 2007-2011

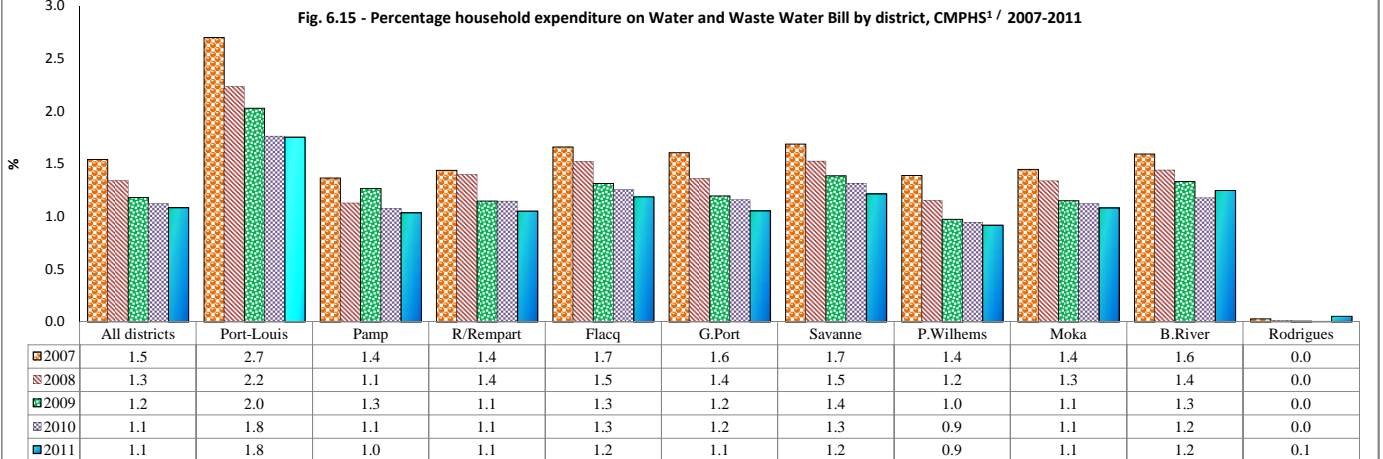
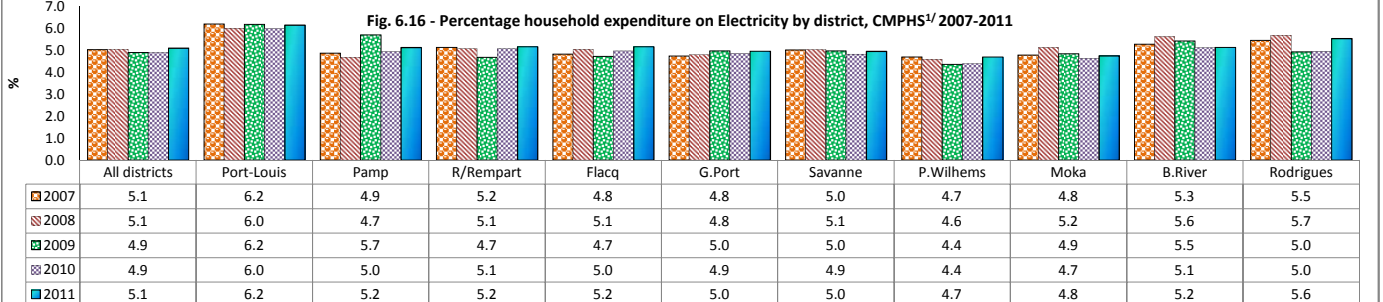


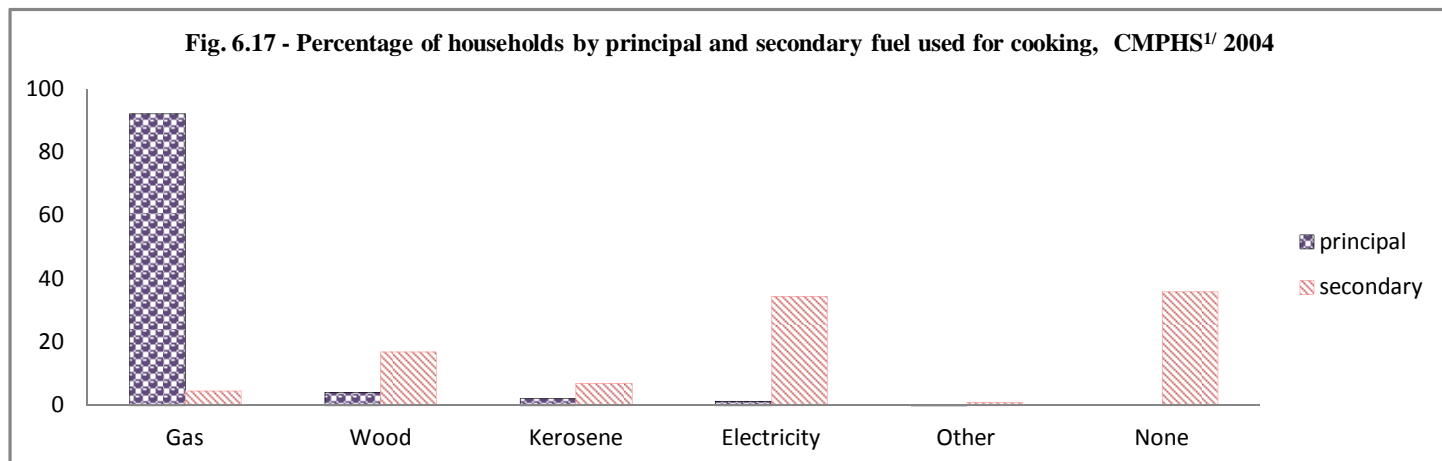
Fig. 6.16 - Percentage household expenditure on Electricity by district, CMPHS^{1/} 2007-2011



1/ Continuous Multipurpose Household Survey

Table 6.11 - Percentage of households by principal and secondary fuel used for cooking - CMPHS^{1/} 2004

Fuel used	% of households					
	Principal fuel					Secondary fuel
	1st quarter	2nd quarter	3rd quarter	4th quarter	Year	
Gas	91.0	92.4	93.1	92.0	92.1	4.7
Wood	4.10	3.90	3.70	5.20	4.2	16.9
Kerosene	2.60	2.00	2.30	1.90	2.2	7.0
Electricity	2.20	1.60	0.70	0.80	1.3	34.5
Other	0.10	0.10	0.20	0.10	0.2	1.0
None						35.9
Total	100.0	100.0	100.0	100.0	100.0	100.0

Fig. 6.17 - Percentage of households by principal and secondary fuel used for cooking, CMPHS^{1/} 2004**Table 6.12 - Percentage of households by main source of energy used for heating water for bathing - CMPHS^{1/} 2004**

Main source of energy used	% of households reporting				
	1st quarter	2nd quarter	3rd quarter	4th quarter	Year
Gas	49.7	50.3	53.1	51.7	51.2
<i>of which: Stove</i>	38.0	34.9	35.6	34.2	35.7
<i>Water Heater</i>	11.7	15.4	17.5	17.5	15.5
Electricity	27.7	27.4	24.3	27.1	26.7
<i>of which: Electrical system inside bathroom</i>	22.3	21.8	18.7	22.3	21.3
<i>Electric kettle</i>	5.4	5.6	5.6	4.8	5.4
Wood	10.1	11.1	11.5	11.3	11.0
Solar water heater	4.1	5.1	4.4	3.1	4.2
kerosene stove	4.1	2.5	3.7	2.5	3.2
Other	0.3	0.5	0.2	0.3	0.3
Do not use hot water for bathing	4.0	3.1	2.8	4.0	3.4
Total	100.0	100.0	100.0	100.0	100.0

Table 6.13 - Percentage of households by measures taken to reduce electrical energy consumption- CMPHS^{1/} 2004

Measure	% of households reporting				
	1st quarter	2nd quarter	3rd quarter	4th quarter	Year
Turning off lights/electrical appliances when not in use	83.5	81.7	83.5	82.1	94.7
Use of other types of fuel instead of electricity for cooking	51.5	39.9	43.6	35.4	48.8
Use of other types of fuel instead of electricity for water heating	43.9	30.7	34.1	25.8	40.5
Use of low consumption electrical bulbs	39.3	39.8	30.7	27.1	37.2
Use of low consumption electrical appliances	27.6	27.9	18.1	15.1	25.4

1/ Continuous Multipurpose Household Survey

Table 6.14 - Findings from 'Energy Use' module of CMPHS^{1/} 2009

Percentage of households:	%
1. using a solar water heater	8.3
2. being aware of the facilities of cash value of Rs 10,000 issued by the Development Bank of Mauritius for the purchase of solar water heater	82.7
3. using a Residual Current Device (RCD)	60.5
4. taking measures to reduce consumption of electricity during peak times (6.00 pm to 8.00 pm) for normal periods of the year	80.2
5. taking measures to reduce consumption of electricity during peak times (6.00 pm to 8.00 pm) for summer time periods of the year	75.2
6. taking measures to reduce electrical energy consumption during the past 12 months	
(i) Shift more to LPG (gas) for cooking instead of electricity	22.2
(ii) Shift more to kerosene for cooking instead of electricity	0.8
(iii) Shift more to wood for cooking instead of electricity	5.0
(iv) Shift more to charcoal for cooking instead of electricity	0.8
(v) Use of other types of fuel instead of electricity for water heating	11.6
(vi) Use of low consumption electrical bulb	64.3
(vii) Use of low consumption electrical appliances	22.8
(viii) Turning off lights/electrical appliances when not in use	73.2
(ix) Adjust timing of activities according to summertime	49.4
(x) Other measures during summertime	22.3
(xi) Other measures	1.4
7. being aware of energy saving campaign conducted by the Ministry of Public Utilities and the CEB during the past 12 months	91.7

1/ Continuous Multipurpose Household Survey

Note: Figures are based on sample results of 6,390 households surveyed