

Vol. 19

REPUBLIC OF MAURITIUS

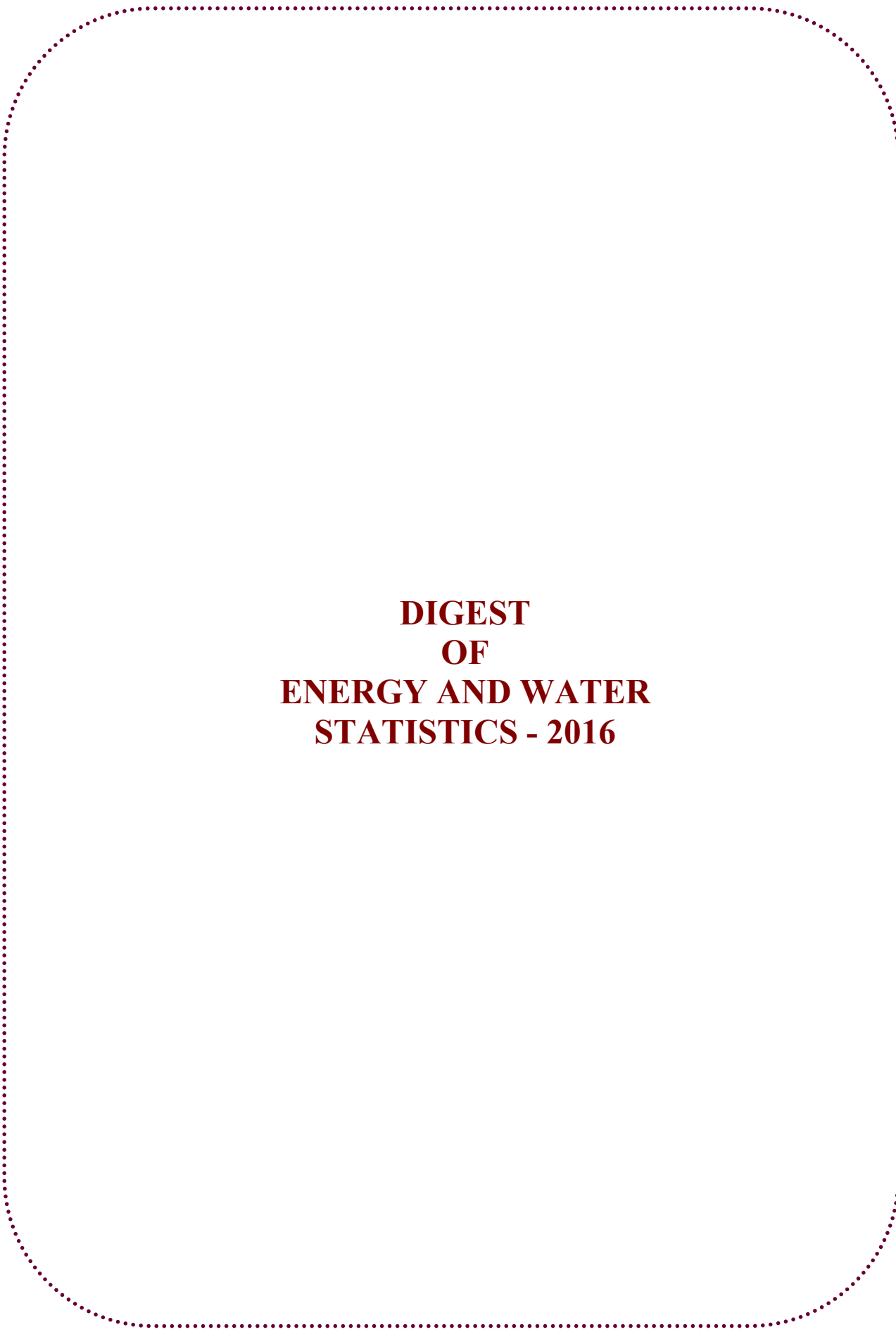
STATISTICS MAURITIUS

Ministry of Finance and Economic Development

**DIGEST
OF
ENERGY AND WATER
STATISTICS - 2016**

December 2017

(Price Rs 150)



**DIGEST
OF
ENERGY AND WATER
STATISTICS - 2016**

DIGEST OF ENERGY AND WATER STATISTICS - 2016

FOREWORD

This is the nineteenth issue of a yearly publication of Statistics Mauritius on energy and water statistics.

This report presents latest statistics on energy for the years 2007 to 2016 and on water for the period 2012 to 2016. All data refer to the Republic of Mauritius, unless otherwise specified.

It is hoped that the statistics published in this report 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, Central Water Authority, Water Resources Unit, Meteorological Services, Independent Power Producers, and several other public and private organisations. The co-operation and assistance of all these organisations are gratefully acknowledged.

This publication is available on the website at <http://statsmauritius.govmu.org>

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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	<p>The maximum power available from a power station at a point in time:</p> <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. A lower ratio usually reflects a more efficient use of energy.
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	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: <i>Agriculture:</i> Energy used for irrigation and by other agricultural equipment; <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.
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.
Photovoltaic	Photovoltaic systems convert solar energy from the sun directly into electricity. This is a renewable form of energy production.
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 input to hydro electricity	The primary energy input to hydro-electricity is defined as the energy value of the electricity generated from hydro.
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.
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.
Tonne	The tonne (SI symbol: t) is a metric system unit of mass equal to 1,000 kilograms.
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.

Water Sector

Evapotranspiration	The volume of water that enters the atmosphere by vaporization of water into a gas through evaporation from land and water surfaces and transpiration from plants.
Groundwater	The volume of water at a particular point in time which has collected in porous and permeable underground layers, known as aquifers that can yield significant quantities of water to wells and springs.
Groundwater recharge	Process by which water is added from outside to fresh water found beneath the earth surface.

Rivers and Streams	Channels where water flows continuously or periodically.
Surface runoff	The flow of surface water, from rainfall, which flows directly to streams, rivers, lakes and the sea.
Water abstraction	The volume of water that is removed or collected by economic units directly from the environment whether surface or ground water.
Water Balance	The water balance is based on long term records of annual average rainfall and indicates how freshwater resources are distributed.
Water mobilisation	Abstraction of water resource, whether surface or groundwater, the conveyance, treatment and storage thereof.
Water production	The transformation process that raw water undergoes to render it potable, through the use of chemicals and/or other methods, while respecting quality norms and standards for safe drinking water, as set by World Health Organisation and/or local regulatory bodies.
Water Utilisation	Annual volume of surface and ground water used/reused.
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/Landfill gas/Photovoltaic	1	86
	Terajoules(TJ)	toe
Energy unit	0.041868	1

* * * * *

ENERGY AND WATER STATISTICS – 2016

Introduction

This issue of the ‘Digest of Energy and Water Statistics, 2016’ covers the period 2007 to 2016 for energy statistics, and the years 2012 to 2016 for water statistics. The statistics have been compiled in close collaboration with the Central Electricity Board (CEB), Central Water Authority (CWA), Water Resources Unit (WRU), Meteorological Services, petroleum companies and Independent Power Producers (IPPs). All data refer to the Republic of Mauritius, unless otherwise specified.

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 15. Figures presented in the tables may not add up to totals, due to rounding.

The energy data have been compiled according to the recommendation of the United Nations Manual, International Recommendations for Energy Statistics.

2. Energy

2.1 Energy intensity

Energy intensity is defined as the total primary energy requirement per Rs 100,000 of Gross Domestic Product. It provides a measure of the efficiency with which energy is being used in production.

As shown in Table 1.1, ‘Energy intensity’ stood at 0.47 in 2016 compared to 0.48 in 2015. It shows a decreasing trend over the preceding years.

2.2 Energy balance

The energy balance shows the supply and final uses (demand) of energy and the different types of fuel. The energy supply is presented as the total primary energy requirement, also known as total primary energy supply. The energy demand is presented as the total final consumption. The difference between the supply and the demand is mainly due to fuel transformed into electricity.

Two major components of the energy balance statistics are Total Primary Energy Requirement and Total Final Consumption of energy. In 2016, Total Primary Energy Requirement added up to 1,555,311 tonne of oil equivalent (toe) and the Total Energy Consumption was 951,072 toe.

From 2015 to 2016, Total Primary Energy Requirement increased by 1% from 1,534,432 toe to 1,554,311 toe and Total Energy Consumption by 4% from 912,857 to 951,072 (Tables 1.2-1.5).

2.3 Total primary energy requirement

Total primary energy requirement is obtained as the sum of imported fossil fuels and locally available fuels less re-exports and bunkering, after adjusting for stock changes.

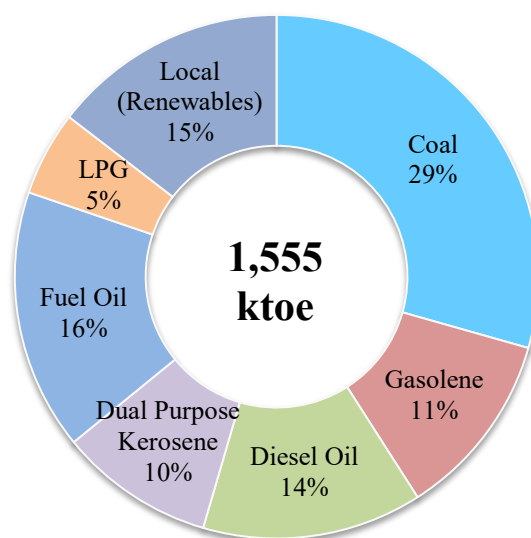
In 2016, total primary energy requirement was around 1,555 ktoe, comprising 56.1% of petroleum products, 29.3% of coal and 14.6% of renewables. Compared to 2015, there was an increase of 1% from 1,534 ktoe (Table 2.1).

Consequently, this led to an increase of nearly 1% in the per capita primary energy requirement from 1.22 toe in 2015 to 1.23 toe in 2016.

2.3.1 Primary energy requirement from fossil fuel

In 2016, out of 1,555 ktoe of the total primary energy requirement, around 85% was met from imported fossil fuels and 15% from local sources (renewables).

Figure I - Total primary energy requirement, 2016



The share of the different fossil fuels within the total primary energy requirement in 2016 was as follows: coal (29%), fuel oil (16%), diesel oil (14%), gasolene (11%), dual purpose kerosene (10%) and Liquefied Petroleum Gas (LPG) (5%).

From 2015 to 2016, energy supply from petroleum products increased by 4.4% from 836 ktoe to 873 ktoe. Supply of coal also, increased by 1.8% from 447 ktoe to 455 ktoe (Table 2.1).

2.3.2 Primary energy requirement from local sources (renewables)

In 2016, primary energy requirement obtained from local renewable accounted for around 15% (227 ktoe) of the total primary energy requirement, and constituted of hydro, wind, landfill gas, photovoltaic, bagasse and fuelwood. Bagasse remained the main source of energy supply and contributed around 91% of the local renewable sources while hydro, wind, landfill gas, photovoltaic and fuelwood accounted for the remaining 9% (Table 2.1).

Total energy production from local renewable sources decreased by 9.6% from 251 ktoe in 2015 to 227 in 2016. This was due to a decrease of 10.4% in the production of bagasse from 230 ktoe in 2015 to 206 ktoe in 2016, 18.1% for hydro from 10.5 ktoe to 8.6 ktoe and 11.1% for landfill gas from 1.8 ktoe to 1.6 ktoe. On the other hand, photovoltaic went up by 18.2% from 2.2 ktoe to 2.6 ktoe and wind increased significantly (around 7 folds) from 0.2 ktoe to 1.5 ktoe.

2.3.3 Imports of energy sources

In 2016, some 2,047.8 ktoe of fossil fuel comprising petroleum products and coal, were imported. Coal constituted around 28.0% of fossil fuel imports, fuel oil 23%, diesel oil 16.7%, dual purpose kerosene 14.6%, gasolene 8.9% and LPG 8.8%.

Compared to 2015, imports of petroleum products went up by 8%, from 1,277 to 1,383 ktoe and those of coal by 15%, from 499 to 574 ktoe (Table 2.3 and Figure 2.3).

From 2015 to 2016, the import bill of petroleum products and coal decreased by 6.7% from Rs 23,152 million to Rs 21,610 million, and accounted for around 13.1% of the total imports bill (Figure 2.4).

During the same period, decreases in the average imports price of petroleum products were registered as follows: coal (-13.4%), gasolene (-17.1%), diesel oil (-17.2%), dual purpose kerosene (-17.5%), fuel oil (-20.8%) and LPG (-31%).

2.3.4 Re-exports and bunkering

Out of the 2,048 ktoe of imported energy sources in 2016, around 566 ktoe were supplied to re-exports and bunkering of energy sources, accounted to 208 ktoe of fuel oil (36.8%), 147 ktoe of aviation fuel (26%), 121 ktoe of diesel oil (21.4%) and 89 ktoe of LPG (15.8%).

From 2015 to 2016, re-exporting and bunkering of energy sources increased by 33.2%, from 425 ktoe in 2015 to 566 ktoe in 2016 (Table 2.6). The majority of this increase was due to the re-export of LPG.

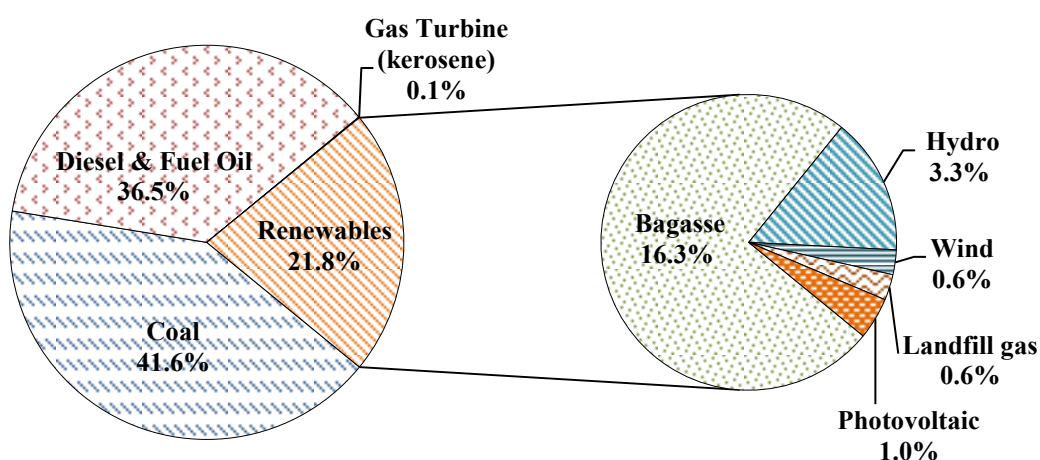
2.4 Electricity generation

The peak power demand in 2016 reached 468 MW for the Island of Mauritius and around 8 MW for Rodrigues. Compared to 2015, the peak power demand for the Island of Mauritius increased by 1.7% from 460 MW to 468 MW in 2016 (Table 3.1).

Some 3,042 GWh (262 ktoe) of electricity was generated in 2016. Around 78% (2,379 GWh or 205 ktoe) of the electricity was generated from non-renewable sources, mainly coal and fuel oil while the remaining 22% (663 GWh or 57 ktoe) were from renewable sources, mostly bagasse (Table 3.3)

The share of electricity generated by energy sources in 2016 is depicted in the chart below:

Figure II - Percentage share of energy sources in the electricity production, 2016



The main energy source for electricity generation was coal (41.6%), followed by diesel and fuel (36.5%) and renewable sources (21.8%).

Between 2015 and 2016,

- Total electricity generated increased by 1.5 % from 2,996 GWh to 3,042 GWh;
- Electricity generated from coal increased by 7.2% from 1,182 GWh to 1,267 GWh and that from fuel oil and diesel together decreased by 1.9% from 1,131 GWh to 1,110 GWh; and
- Electricity generated from renewable sources decreased from 681 GWh to 663 GWh, down by 2.6%. Landfill gas went down by 5% from 20 GWh to 19 GWh, bagasse by 2.5% from 510 GWh to 497 GWh and hydro by 18.0% from 122 GWh to 100 GWh. On the other hand, photovoltaic increased by 15.4% from 26 GWh to 30 GWh, and wind significantly increased from 3 GWh to 18 GWh.

Table 3.6 shows that the IPPs produced around 60.1% of the total electricity generated and the CEB, the remaining 39.9%. Thermal energy (Table 3.6) represented around 95% of overall generation.

2.4.1 Fuel input for electricity generation

Fuel input for electricity generation from petroleum products, coal and bagasse as shown in Table 3.7 indicates that:

- In 2016, coal (52.2%) was the major fuel used to produce electricity followed by fuel oil (25.9%) and bagasse (21.7%);
- Between 2015 and 2016, fuel input decreased by 1.4% from 845 ktoe to 833 ktoe;

- Input of fuel oil decreased by 2.3%, from 220 ktoe in 2015 to 215 ktoe in 2016 while that of coal increased by 2.6%, from 424 ktoe in 2015 to 435 ktoe in 2016;
- Some 181 ktoe of bagasse was used to produce electricity in 2016 compared to 198 ktoe in 2015, down by 8.6%.

2.4.2 Electricity sales and consumption

Electricity sales in 2016 stood at around 2,559 GWh, out of which commercial sector accounted for the largest share (36%), followed by domestic (33%), and industrial (29%) sectors.

From 2015 to 2016, electricity sales increased by 2.2% from 2,505 GWh to 2,559 GWh, while the average sales price of electricity remained at around Rs 6 per kWh.

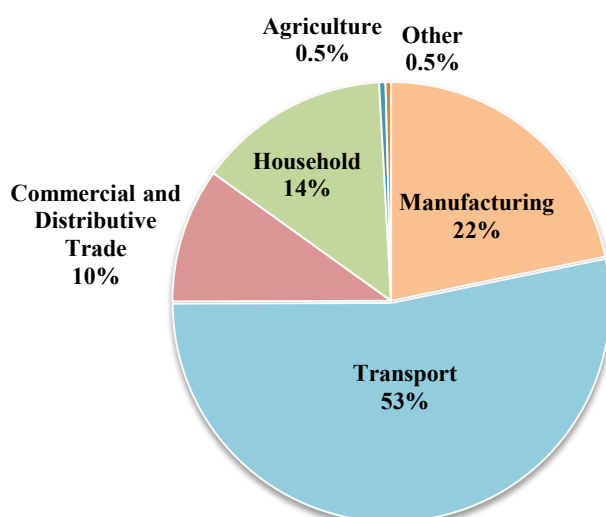
The per capita consumption of electricity sold increased from 1,984 kWh in 2015 to 2,025 kWh in 2016, showing an increase of 2%.

2.5 Final energy consumption

Final energy consumption is the total amount of energy required by end users as a final product. End-users are mainly categorised into five sectors namely: manufacturing, transport, commercial and distributive trade, households and agriculture.

In 2016, final energy consumption was estimated at around 951 ktoe (Table 4.4). The two main energy-consuming sectors were “Transport” and “Manufacturing”, accounting respectively for 53.2% and 21.8% of the final energy consumed. These sectors were followed by the household sector (13.9%), commercial and distributive trade (10.2%) and agriculture (0.5%).

Figure III - Final energy consumption by sector, 2016



Final energy consumption increased by 4.2% from 913 ktoe in 2015 to 951 ktoe in 2016.

2.5.1 Transport

Energy consumed by the “Transport” sector, which represented around 53.2% of the total final energy consumption went up by 9.3% from 463 ktoe in 2015 to 506 ktoe in 2016.

From 2015 to 2016, consumption of fuel for land transport increased from 331 ktoe to 349 ktoe (+5.4%); from 124 ktoe to 148 ktoe (+19.4%) for aviation fuel and, from 8 ktoe to 9 ktoe (+12.5%) for sea transport.

2.5.2 Manufacturing

Some 207 ktoe (around 22%) of the total final energy consumption was used by the manufacturing sector in 2016 against 216 ktoe in 2015, a drop by 4.2%. The main energy consumed by the sector was as follows: electricity (83 ktoe), fuel oil (35 ktoe), diesel oil (36 ktoe), bagasse (25 ktoe) and coal (21 ktoe).

2.5.3 Commercial and Distributive Trade

Total final energy consumption by “Commercial and Distributive Trade” sector, which represented around 10% of total energy consumed increased by 2.1% from 96 ktoe in 2015 to 98 ktoe in 2016.

Electricity was the main source of energy in the “Commercial and Distributive Trade” sector and its consumption increased from 79 ktoe to 80 ktoe (+1.3%). LPG consumption also went up by 6.3% from 16 ktoe to 17 ktoe.

2.5.4 Household

Final energy consumed by households (excluding transport) represented around 14% (132 ktoe) of the total energy consumption. The two main sources of energy for households were electricity and LPG, representing 56% and 40% respectively of the total energy consumed by households.

Between 2015 and 2016, household consumption of electricity rose by 2.8% from 72 ktoe to 74 ktoe while that of LPG remained almost same, at around 53 ktoe.

2.5.5 Agriculture

Final energy consumption in the agricultural sector stood at 4.5 ktoe in 2016, representing around 0.5% of the total final energy consumption. Electricity and diesel were the two sources of energy used in this sector. In 2016, some 2.2 ktoe of electricity were used mainly for irrigation compared to 1.9 ktoe in 2015 and another 2.3 ktoe of diesel oil was used for mechanical operations in fields, same level as in 2015.

3. Water

3.1 Water balance

In 2016, Island of Mauritius received 3,536 million cubic metres (Mm³) of precipitation (rainfall). Only 10% (353 Mm³) of the precipitation went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% (1,061 Mm³) and 60% (2,122 Mm³) respectively (Figure 5.1).

3.2 Water utilisation

Total water utilisation was estimated at 961 Mm³ in 2016. The agricultural sector accounted for 37% (351 Mm³) of the water utilised. Hydropower constituted 35% (341 Mm³) and domestic, industrial and tourism sector represented the remaining 28% (269 Mm³) (Table 5.2).

Compared to 2015, water utilisation went down by 1.2%, from 973 to 961 Mm³ with changes in hydropower (-5.5%) and agricultural (+2.3%).

Around 85% of the total water utilisation was met by surface water and the remaining 15 % by ground water.

3.3 Rainfall

During the year 2016, the mean amount of rainfall recorded around the Island of Mauritius was 1,896 millimetres (mm), representing a drop of 20.2% compared to 2,377 mm in 2015. A decrease of 5.3% from the long term (1981-2010) mean of 2,003 mm was also noted.

The wettest month in 2016 was February with a mean of 442 mm, which represented a surplus of 27% relative to the long term (1981-2010) mean of 348 mm. September was the driest month with a mean of 49 mm of rainfall, registering a deficit of 49% compared to the long term (1981-2010) mean of 96 mm.

The mean rainfall registered in Rodrigues at Point Canon in 2016 was 839 mm compared to 1,272 mm in 2015, down by 34%. The highest amount of rainfall with 123 mm was recorded in the month of April while the least amount was in October with 10 mm (Table 5.6).

3.4 Water storage level

In 2016, the minimum and maximum percentage of water storage level of the different reservoirs was as follows:

Reservoir	Capacity (Mm ³)	% Minimum [month(s)]	% Maximum [month(s)]
Mare aux Vacoas	25.89	56 (December)	100 (May, July, August)
Midlands Dam	25.50	49 (December)	100 (April to August)
La Ferme	11.52	37 (December)	84 (March and August)
Mare Longue	6.28	0 (January)	100 (June to August)
La Nicolière	5.26	45 (December)	100 (February to August)
Piton du Milieu	2.99	49 (December)	100 (February to August)

The mean percentage water level for all reservoirs (excluding Midlands Dam) varied from 58% to 96% in 2016. To note that the mean water level is computed as the average level during a month while the normal level is the long term mean averaged over the period 1990 to 1999 (Table 5.7).

3.5 Water production

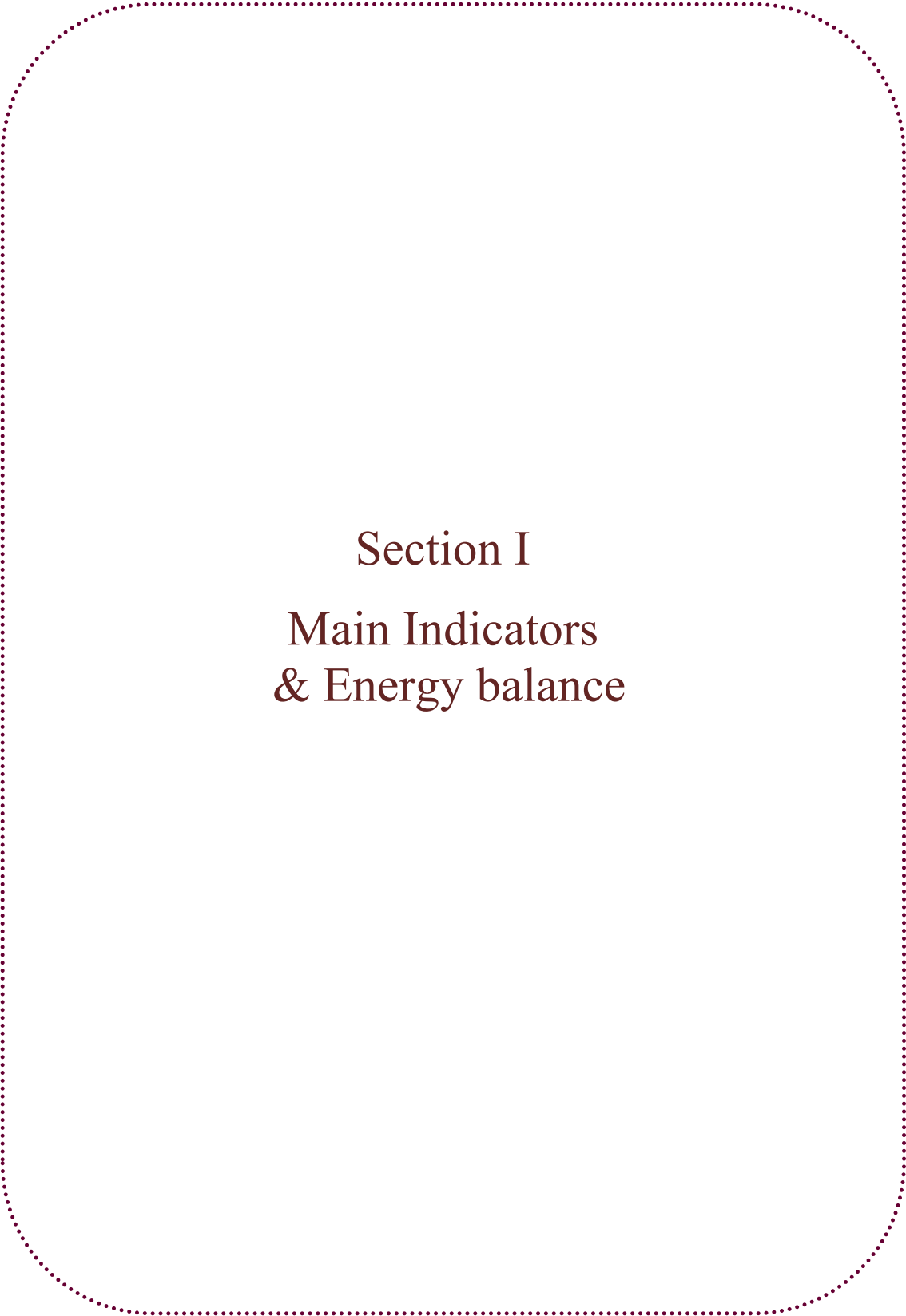
In 2016, the total volume of potable water treated by the different treatment plants was 247 Mm³, up by 0.8% compared to 245 Mm³ in 2015. The average production from surface water and boreholes represented 47% and 53% respectively in 2016 (Table 5.8).

3.6 Water sales and revenue collectible

Total volume of water sold in 2016 was 119 Mm³, out of which 84.4% constituted of potable water and the remaining 15.6% of non-treated water. Some 76 Mm³ of water were sold under domestic tariff accounting for around 64% of the total volume of water sold.

From 2015 to 2016, the total volume of water sold increased by 5.3% from 113 Mm³ to 119 Mm³.

The amount of revenue collectible from the sales of water for the year 2016 was around Rs 1,455 million, representing an increase of 5.2%, over the amount of Rs 1,383 million collected in 2015 (Table 5.9).



Section I
Main Indicators
& Energy balance

Table 1.1 - Main energy indicators, 2007 - 2016

Indicators	Unit	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Mid-year population, Republic of Mauritius	Thousand	1,240	1,244	1,247	1,250	1,252	1,256	1,259	1,261	1,263	1,263
GDP in 2006 rupees ¹	Rs.Million	235,634	248,328	256,560	267,790	278,709	288,453	298,146	309,311	320,301	332,600
GDP index (2006 = 100) ¹		105.7	111.4	115.1	120.2	125.1	129.4	133.8	138.7	143.7	149.2
Total primary energy requirement	ktoe	1,381.8	1,404.4	1,346.9	1,430.7	1,426.9	1,427.6	1,454.8	1,491.7	1,534.4	1,555.3
<i>Of which local (renewables)</i>	%	17.8	18.8	17.5	16.9	16.2	15.6	15.1	14.2	16.4	14.6
Annual increase	%	+0.4	+1.6	-4.1	+6.2	-0.3	+0.1	+1.9	+2.5	+2.9	+1.4
Total primary energy requirement index (Base 2006 = 100) ¹		100.4	102.0	97.8	103.9	103.6	103.7	105.7	108.4	111.5	113.0
Total final energy consumption	ktoe	858	842	809	854	863	854	871	892	913	951
<i>Of which renewables</i>	%	8.4	5.4	5.4	5.8	5.4	4.8	4.5	3.9	4.1	3.3
Total electricity generated	GWh	2,465	2,557	2,577	2,689	2,739	2,797	2,885	2,937	2,996	3,042
<i>Of which renewables</i>	%	22.4	23.3	23.6	21.5	20.0	20.3	20.6	20.3	22.7	21.8
Total electricity sold	GWh	1,975	2,054	2,069	2,174	2,228	2,294	2,384	2,452	2,505	2,559
Average sales price of electricity	Rs/kWh	3.79	4.90	5.15	5.31	5.64	5.71	5.67	5.73	5.74	5.73
Efficiency Indicators											
Import dependency	%	82.21	81.24	82.45	83.11	83.80	84.43	84.92	85.77	83.62	85.42
Energy intensity ¹	toe per Rs.100,000 GDP at 2006 prices	0.59	0.57	0.52	0.53	0.51	0.49	0.49	0.48	0.48	0.47
Per capita primary energy requirement	toe	1.11	1.13	1.08	1.14	1.14	1.14	1.16	1.18	1.22	1.23
Per capita final energy consumption	toe	0.69	0.68	0.65	0.68	0.69	0.68	0.69	0.71	0.72	0.75
Per capita consumption of electricity sold											
- Republic of Mauritius	kWh	1,593	1,651	1,659	1,739	1,779	1,827	1,894	1,945	1,984	2,025
- Island of Mauritius	kWh	1,624	1,683	1,692	1,774	1,816	1,866	1,934	1,986	2,026	2,067
- Island of Rodrigues	kWh	638	645	660	661	664	675	707	735	780	802
Per capita consumption of electricity consumed	kWh	1,783	1,852	1,877	1,963	1,997	2,040	2,112	2,149	2,195	2,236
Electricity consumption per household	kWh	1,923	1,924	1,980	2,042	2,058	2,109	2,157	2,199	2,238	2,271

¹ Revised

Table 1.2- Energy balance, 2016 (tonne of oil equivalent)

		Tonne of oil equivalent (toe)																
Source Flow	Fossil fuels								Renewables								Electricity	Total
	Coal	Petroleum products							Fuelwood	Charcoal	Hydro	Wind	Landfill Gas	Photo-voltaic	Bagasse	Total Renewables		
		Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel ² Oil	LPG ²	Total Petroleum products										
Local production	-	-	-	-	-	-	-	-	6,416	-	8,557	1,544	1,608	2,606	206,076	226,807	-	226,807
Imports ²	573,826	182,336	342,530	296,430	2,211	470,124	180,358	1,473,989	-	-	-	-	-	-	-	-	-	2,047,815
Re-exports and bunkering	-	-	(121,145)	(147,274)	-	(208,288)	(89,313)	(566,021)	-	-	-	-	-	-	-	-	-	(566,021)
Stock change / Statistical error	(118,487)	(3,405)	(10,925)	(1,564)	(1,379)	(7,388)	(10,142)	(34,803)	-	-	-	-	-	-	-	-	-	(153,290)
Total Primary Energy Requirement	455,339	178,931	210,460	147,592	832	254,447	80,903	873,165	6,416	-	8,557	1,544	1,608	2,606	206,076	226,807	-	1,555,311
Public electricity generation plant	-	-	(1,035)	-	(758)	(215,244)	-	(217,037)	-	-	(8,557)	(300)	-	(1)	-	(8,859)	104,485	(121,410)
Autoproducer plants	(434,760)	-	-	-	-	-	-	-	-	-	-	(1,243)	(1,608)	(2,605)	(180,727)	(186,183)	157,144	(463,799)
Other transformation	-	-	-	-	-	-	-	-	(783)	381	-	-	-	-	-	(402)	-	(402)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,827)	(3,827)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(14,801)	(14,801)
Total Final Consumption	20,580	178,931	209,425	147,592	74	39,204	80,903	656,127	5,634	381	-	-	-	-	25,349	31,364	243,002	951,072
Manufacturing sector	20,580	-	35,658	-	-	35,317	6,049	77,025	479	-	-	-	-	-	25,349	25,828	83,444	206,876
Transport sector ¹	-	178,931	171,477	147,592	-	3,886	3,757	505,643	-	-	-	-	-	-	-	-	-	505,643
Commercial and distributive trade sector	-	-	-	-	-	-	17,370	17,370	-	311	-	-	-	-	-	311	79,884	97,564
Household	-	-	-	-	74	-	53,411	53,485	5,154	70	-	-	-	-	-	5,225	73,496	132,206
Agriculture	-	-	2,290	-	-	-	-	2,290	-	-	-	-	-	-	-	-	2,196	4,486
Other	-	-	-	-	-	-	315	315	-	-	-	-	-	-	-	-	3,982	4,297

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

² Revised

Table 1.3 - Energy balance, 2016 (Terajoules)

Source Flow		Terajoules(TJ)																Electricity	Total
		Fossil fuels							Renewables										
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind	Landfill Gas	Photo-voltaic	Bagasse	Total Renewables			
Gasolene	Diesel		Aviation Fuel	Kerosene	Fuel ² Oil	LPG	Total Petroleum products												
Local production	-	-	-	-	-	-	-	-	269	-	358	65	67	109	8,628	9,496	-	9,496	
Imports	24,025	7,634	14,341	12,411	93	19,683	7,551	61,713	-	-	-	-	-	-	-	-	-	85,738	
Re-exports and bunkering	-	-	(5,072)	(6,166)	-	(8,721)	(3,739)	(23,698)	-	-	-	-	-	-	-	-	-	(23,698)	
Stock change / Statistical error	(4,961)	(143)	(457)	(65)	(58)	(309)	(425)	(1,457)	-	-	-	-	-	-	-	-	-	(6,418)	
Total Primary Energy Requirement	19,064	7,491	8,812	6,179	35	10,653	3,387	36,558	269	-	358	65	67	109	8,628	9,496	-	65,118	
Public electricity generation plant	-	-	(43)	-	(32)	(9,012)	-	(9,087)	-	-	(358)	(13)	-	(0)	-	(371)	4,374	(5,084)	
Autoproducer plants	(18,203)	-	-	-	-	-	-	-	-	-	-	(52)	(67)	(109)	(7,567)	(7,795)	6,579	(19,418)	
Other transformation	-	-	-	-	-	-	-	-	(33)	16	-	-	-	-	-	(17)	-	(17)	
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(160)	(160)	
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(620)	(620)	
Total Final Consumption	862	7,491	8,768	6,179	3	1,641	3,387	27,471	236	16	-	-	-	-	1,061	1,313	10,174	39,818	
Manufacturing sector	862	-	1,493	-	-	1,479	253	3,225	20	-	-	-	-	-	1,061	1,081	3,494	8,661	
Transport sector ¹	-	7,491	7,179	6,179	-	163	157	21,170	-	-	-	-	-	-	-	-	-	21,170	
Commercial and distributive trade sector	-	-	-	-	-	-	727	727	-	13	-	-	-	-	-	13	3,345	4,085	
Household	-	-	-	-	3	-	2,236	2,239	216	3	-	-	-	-	-	219	3,077	5,535	
Agriculture	-	-	96	-	-	-	-	96	-	-	-	-	-	-	-	-	92	188	
Other	-	-	-	-	-	-	13	13	-	-	-	-	-	-	-	-	167	180	

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

² Revised

Table 1.4 - Energy balance, 2015 (tonne of oil equivalent)

Source Flow		Tonne of oil equivalent (toe)																
		Fossil fuels							Renewables							Electricity	Total	
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind	Landfill Gas	Photo-voltaic	Bagasse			Total Renewables
Gasolene	Diesel		Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products											
Local production	-	-	-	-	-	-	-	-	6,504	-	10,482	231	1,751	2,225	230,072	251,265	-	251,265
Imports	498,624	167,102	321,891	279,551	2,596	427,335	78,256	1,276,730	-	-	-	-	-	-	-	-	-	1,775,355
Re-exports and bunkering	-	-	(117,145)	(147,543)	-	(160,160)	-	(424,847)	-	-	-	-	-	-	-	-	-	(424,847)
Stock change / Statistical error	(51,738)	(4,065)	4,823	(7,671)	(1,689)	(7,950)	950	(15,602)	-	-	-	-	-	-	-	-	-	(67,340)
Total Primary Energy Requirement	446,886	163,036	209,569	124,337	907	259,225	79,206	836,281	6,504	-	10,482	231	1,751	2,225	230,072	251,265	-	1,534,432
Public electricity generation plant	-	-	(1,095)	-	(771)	(220,388)	-	(222,253)	-	-	(10,482)	(231)	-	-	-	(10,713)	108,172	(124,794)
Autoproducer plants	(424,296)	-	-	-	-	-	-	-	-	-	-	-	(1,751)	(2,225)	(198,448)	(202,424)	149,448	(477,272)
Other transformation	-	-	-	-	-	-	-	-	(833)	406	-	-	-	-	-	(427)	-	(427)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,821)	(3,821)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(15,261)	(15,261)
Total Final Consumption	22,590	163,036	208,474	124,337	136	38,838	79,206	614,028	5,672	406	-	-	-	-	31,623	37,700	238,538	912,857
Manufacturing sector	22,590	-	36,958	-	-	35,715	6,126	78,799	494	-	-	-	-	-	31,623	32,117	82,716	216,222
Transport sector ¹	-	163,036	169,187	124,337	-	3,123	3,445	463,129	-	-	-	-	-	-	-	-	-	463,129
Commercial and distributive trade sector	-	-	-	-	-	-	16,307	16,307	-	333	-	-	-	-	-	333	78,883	95,523
Household	-	-	-	-	136	-	53,020	53,157	5,178	73	-	-	-	-	-	5,250	71,473	129,880
Agriculture	-	-	2,329	-	-	-	-	2,329	-	-	-	-	-	-	-	-	1,878	4,207
Other	-	-	-	-	-	-	308	308	-	-	-	-	-	-	-	-	3,588	3,896

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

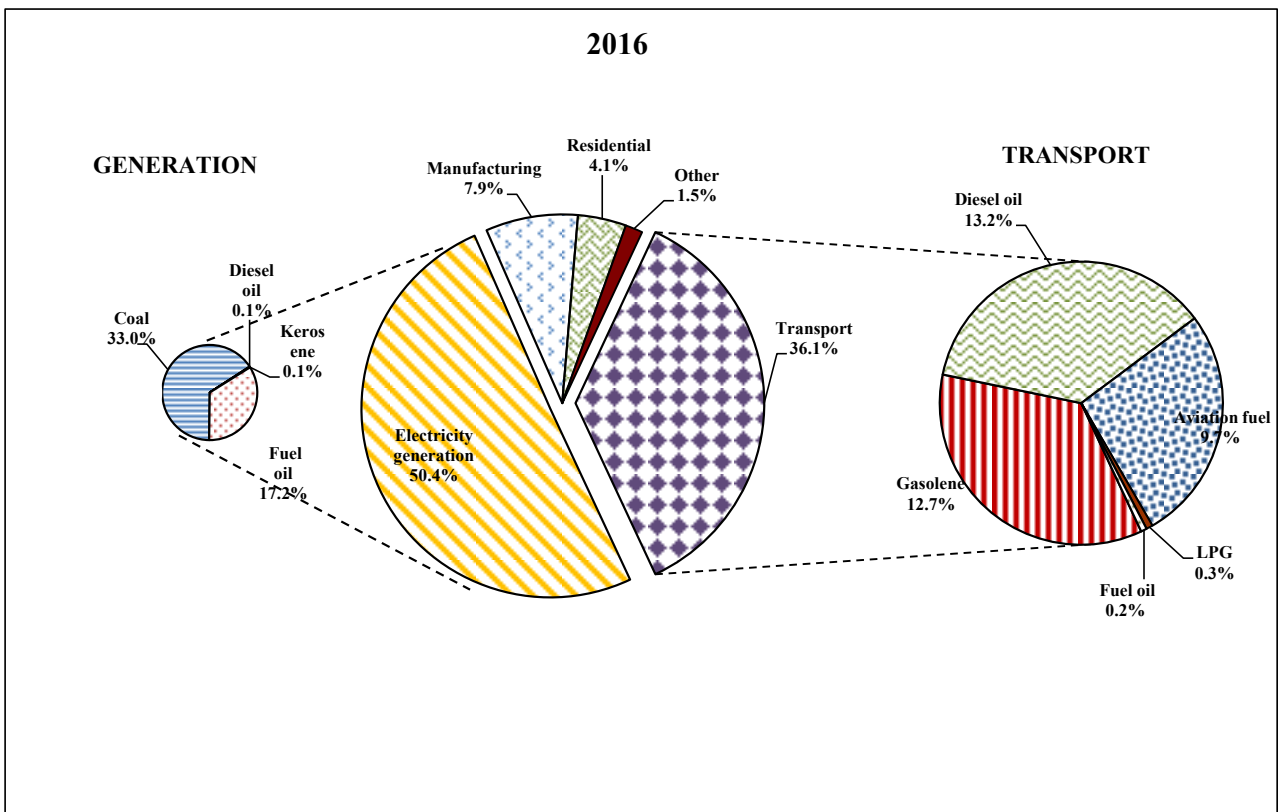
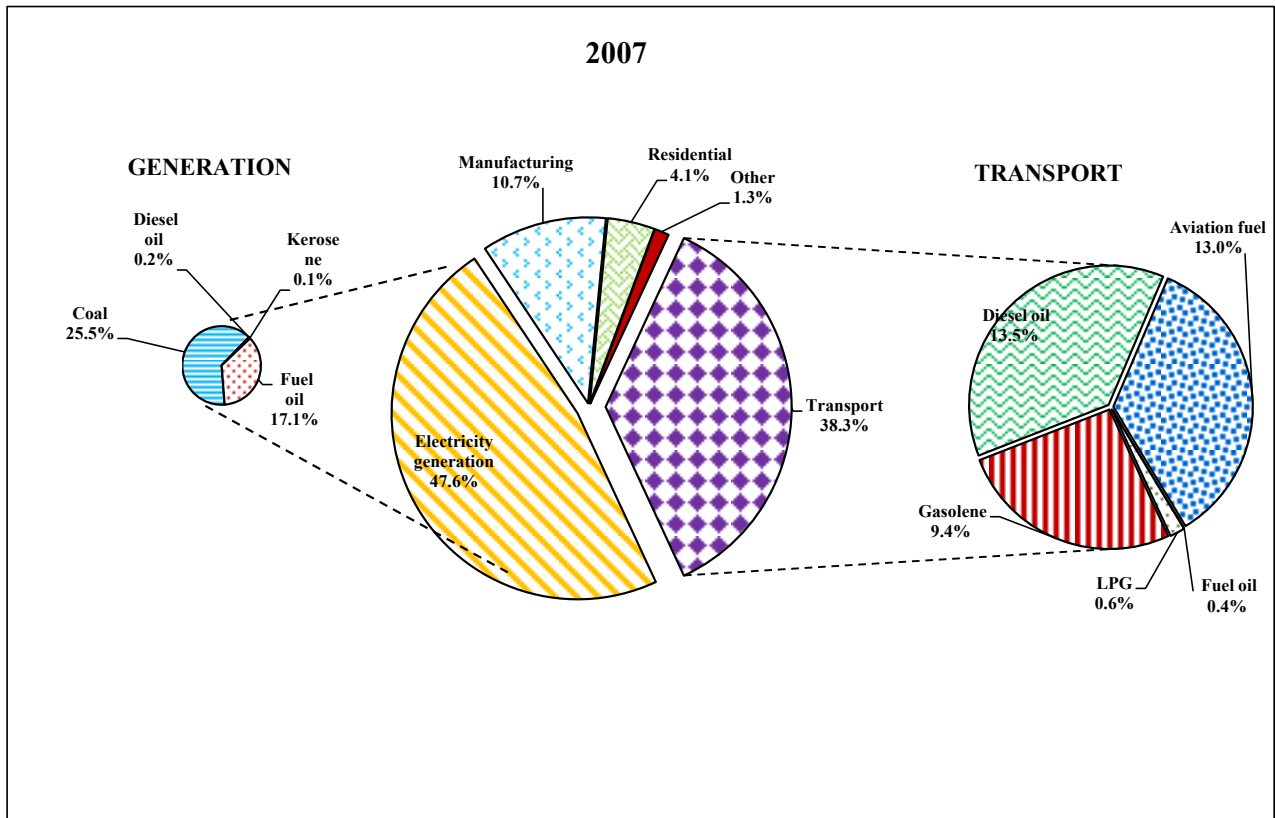
Table 1.5 - Energy balance, 2015 (Terajoules)

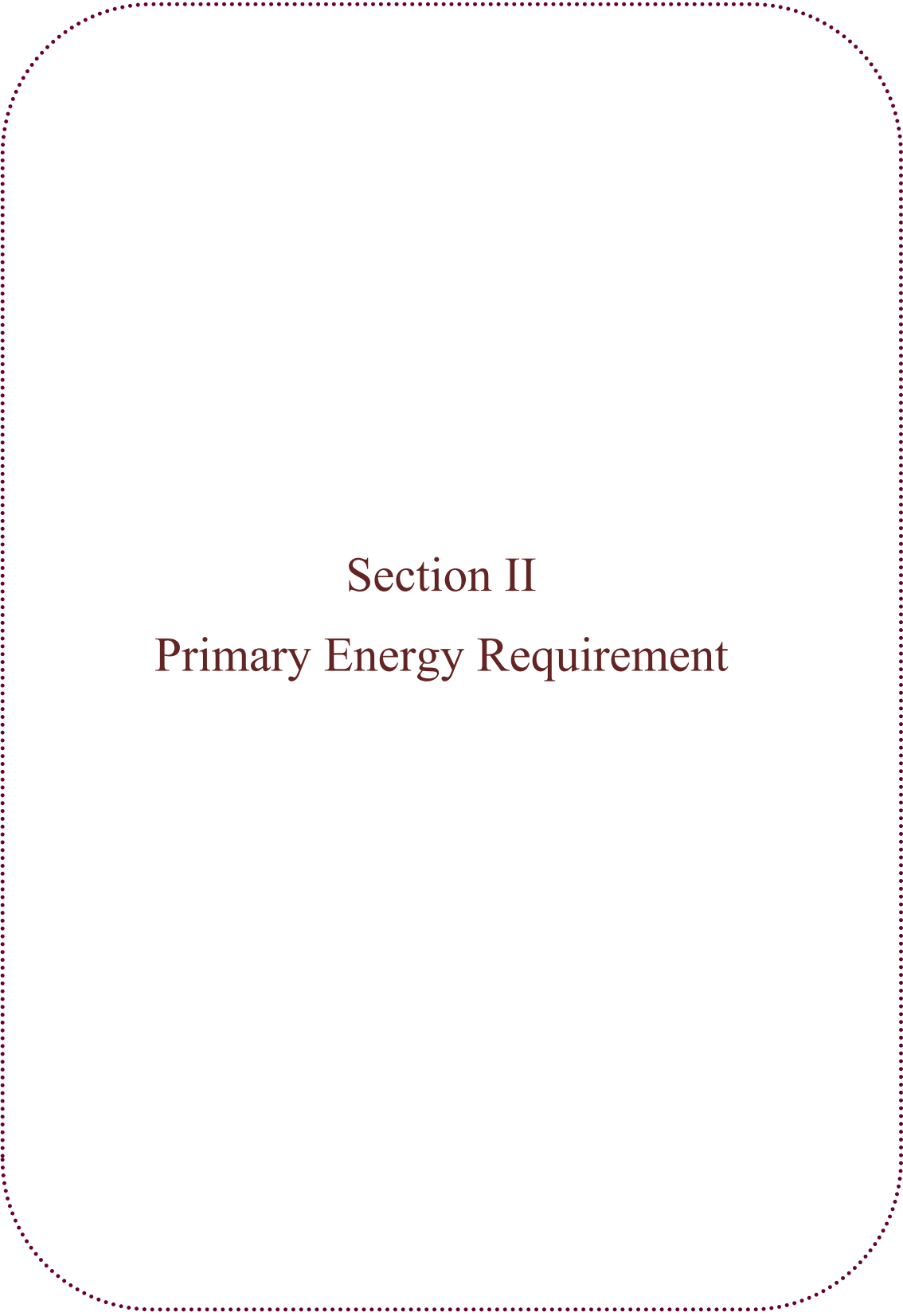
Source Flow		Fossil fuels							Renewables							Electricity	Total	
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind	Landfill Gas	Photo-voltaic	Bagasse			Total Renewables
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG										
Local production	-	-	-	-	-	-	-	-	272	-	439	10	73	93	9,633	10,520	-	10,520
Imports	20,876	6,996	13,477	11,704	109	17,892	3,276	53,454	-	-	-	-	-	-	-	-	-	74,331
Re-exports and bunkering	-	-	(4,905)	(6,177)	-	(6,706)	-	(17,788)	-	-	-	-	-	-	-	-	-	(17,788)
Stock change / Statistical error	(2,166)	(170)	202	(321)	(71)	(333)	40	(653)	-	-	-	-	-	-	-	-	-	(2,819)
Total Primary Energy Requirement	18,710	6,826	8,774	5,206	38	10,853	3,316	35,013	272	-	439	10	73	93	9,633	10,520	-	64,244
Public electricity generation plant	-	-	(46)	-	(32)	(9,227)	-	(9,305)	-	-	(439)	(10)	-	-	-	(449)	4,529	(5,225)
Autoproducer plants	(17,764)	-	-	-	-	-	-	-	-	-	-	-	(73)	(93)	(8,309)	(8,475)	6,257	(19,982)
Other transformation	-	-	-	-	-	-	-	-	(35)	17	-	-	-	-	-	(18)	-	(18)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(160)	(160)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(639)	(639)
Total Final Consumption	946	6,826	8,728	5,206	6	1,626	3,316	25,708	237	17	-	-	-	-	1,324	1,578	9,987	38,219
Manufacturing sector	946	-	1,547	-	-	1,495	256	3,299	21	-	-	-	-	-	1,324	1,345	3,463	9,053
Transport sector ¹	-	6,826	7,084	5,206	-	131	144	19,390	-	-	-	-	-	-	-	-	-	19,390
Commercial and distributive trade sector	-	-	-	-	-	-	683	683	-	14	-	-	-	-	-	14	3,303	3,999
Household	-	-	-	-	6	-	2,220	2,226	217	3	-	-	-	-	-	220	2,992	5,438
Agriculture	-	-	98	-	-	-	-	98	-	-	-	-	-	-	-	-	79	176
Other	-	-	-	-	-	-	13	13	-	-	-	-	-	-	-	-	150	163

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

Figure 1.1 - Percentage share of consumption ('Transformation' + 'Final energy consumption') of petroleum products and coal by sector - 2007 and 2016





Section II
Primary Energy Requirement

Table 2.1 - Primary energy requirement, 2007 - 2016

Energy source	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
	Physical unit (Thousand tonne\GWh)									
Imported (Fossil fuels)										
Coal	572.6	651.4	595.7	667.8	641.5	674.8	710.7	742.5	720.8	734.4
Petroleum products										
Gasolene	98.9	101.4	111.7	118.2	120.4	126.5	132.1	140.5	151.0	165.7
Diesel Oil	205.3	203.4	204.6	211.5	208.0	211.3	205.0	206.0	207.5	208.4
Dual Purpose Kerosene	140.4	135.5	112.6	126.3	133.3	114.3	116.9	122.8	120.4	142.7
<i>Kerosene</i>	2.3	3.9	6.4	7.7	4.2	3.7	0.8	0.8	0.9	0.8
<i>Aviation Fuel</i>	138.1	131.6	106.2	118.6	129.2	110.6	116.1	122.0	119.6	141.9
Fuel Oil	262.4	222.2	237.4	241.9	258.4	255.7	258.9	265.5	270.0	265.0
LPG	63.8	62.9	63.8	65.0	65.9	67.3	69.3	71.0	73.3	74.9
Local (Renewables)										
Hydro GWh	83.9	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5
Wind GWh	0.4	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	18.0
Landfill Gas GWh	-	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7
Photovoltaic GWh	-	-	-	-	-	0.9	2.7	24.6	25.9	30.3
Bagasse ¹	1,440.9	1,540.2	1,362.3	1,406.4	1,363.3	1,290.9	1,260.7	1,208.5	1,437.9	1,288.0
Fuelwood ¹	21.1	20.3	20.3	20.3	20.1	19.8	19.2	18.3	17.1	16.9
	Energy unit (ktoe)									
Imported (Fossil fuels)	1,136.0	1,140.9	1,110.6	1,189.0	1,195.7	1,205.3	1,235.4	1,279.4	1,283.2	1,328.5
Coal	355.0	403.9	369.3	414.1	397.7	418.4	440.6	460.3	446.9	455.3
Petroleum products	781.0	737.0	741.2	775.0	798.0	786.9	794.7	819.0	836.3	873.2
Gasolene	106.9	109.5	120.6	127.7	130.0	136.6	142.7	151.7	163.0	178.9
Diesel Oil	207.4	205.4	206.7	213.6	210.1	213.4	207.0	208.0	209.6	210.5
Dual Purpose Kerosene	146.0	140.9	117.2	131.3	138.7	118.8	121.6	127.7	125.2	148.4
<i>Kerosene</i>	2.4	4.0	6.7	8.0	4.3	3.8	0.9	0.9	0.9	0.8
<i>Aviation Fuel</i>	143.6	136.9	110.5	123.3	134.3	115.0	120.7	126.8	124.3	147.6
Fuel Oil	251.9	213.3	227.9	232.2	248.1	245.4	248.5	254.8	259.2	254.4
LPG	68.9	67.9	68.9	70.2	71.1	72.7	74.9	76.7	79.2	80.9
Local (Renewables)	245.8	263.5	236.3	241.6	231.1	222.3	219.4	212.3	251.3	226.8
Hydro	7.2	9.3	10.5	8.7	4.9	6.4	8.2	7.8	10.5	8.6
Wind	0.0	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.2	1.5
Landfill Gas	-	-	-	-	0.3	1.5	1.7	1.8	1.8	1.6
Photovoltaic	-	-	-	-	-	0.1	0.2	2.1	2.2	2.6
Bagasse	230.5	246.4	218.0	225.0	218.1	206.5	201.7	193.4	230.1	206.1
Fuelwood	8.0	7.7	7.7	7.7	7.6	7.5	7.3	6.9	6.5	6.4
Total	1,381.8	1,404.4	1,346.9	1,430.7	1,426.8	1,427.6	1,454.8	1,491.7	1,534.4	1,555.3
	Percentage (%)									
Imported (Fossil fuels)	82.2	81.2	82.5	83.1	83.8	84.4	84.9	85.8	83.6	85.4
Coal	25.7	28.8	27.4	28.9	27.9	29.3	30.3	30.9	29.1	29.3
Petroleum products	56.5	52.5	55.0	54.2	55.9	55.1	54.6	54.9	54.5	56.1
Gasolene	7.7	7.8	9.0	8.9	9.1	9.6	9.8	10.2	10.6	11.5
Diesel Oil	15.0	14.6	15.3	14.9	14.7	14.9	14.2	13.9	13.7	13.5
Dual Purpose Kerosene	10.6	10.0	8.7	9.2	9.7	8.3	8.4	8.6	8.2	9.5
<i>Kerosene</i>	0.2	0.3	0.5	0.6	0.3	0.3	0.1	0.1	0.1	0.1
<i>Aviation Fuel</i>	10.4	9.7	8.2	8.6	9.4	8.1	8.3	8.5	8.1	9.5
Fuel Oil	18.2	15.2	16.9	16.2	17.4	17.2	17.1	17.1	16.9	16.4
LPG	5.0	4.8	5.1	4.9	5.0	5.1	5.1	5.1	5.2	5.2
Local (Renewables)	17.8	18.8	17.5	16.9	16.2	15.6	15.1	14.2	16.4	14.6
Hydro	0.5	0.7	0.8	0.6	0.3	0.4	0.6	0.5	0.7	0.6
Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Landfill Gas	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1
Photovoltaic	-	-	-	-	-	-	0.0	0.1	0.1	0.2
Bagasse	16.7	17.5	16.2	15.7	15.3	14.5	13.9	13.0	15.0	13.2
Fuelwood	0.6	0.5	0.6	0.5	0.5	0.5	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

¹ Estimates

Figure 2.1 - Percentage share of energy sources within the Primary Energy Requirement - 2007 and 2016

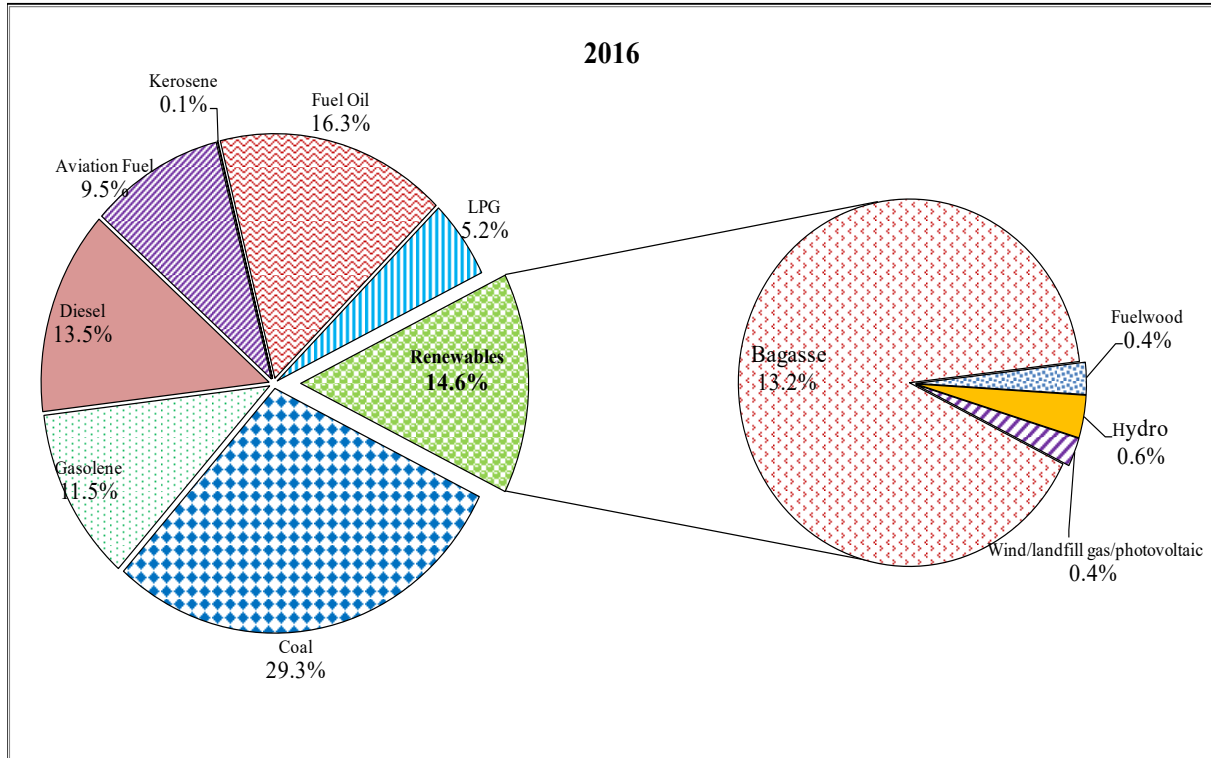
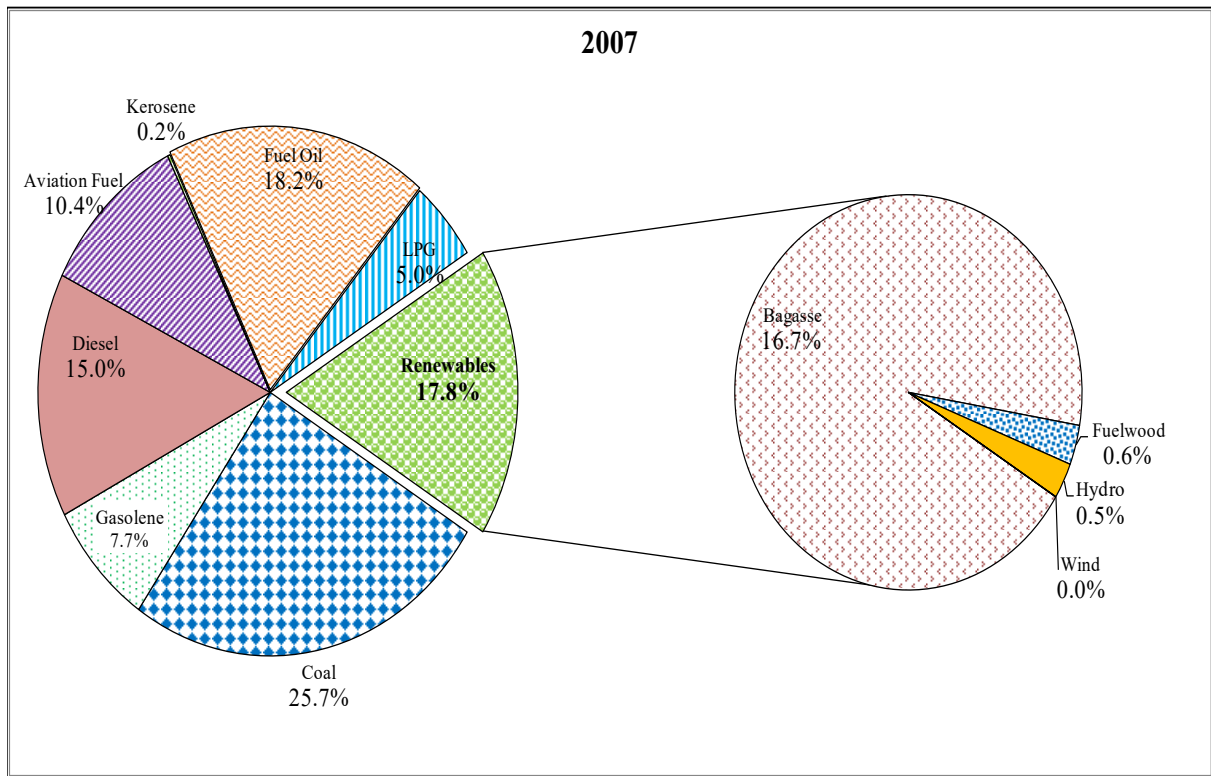


Figure 2.2 - Primary energy requirement by main energy sources, 2007 - 2016

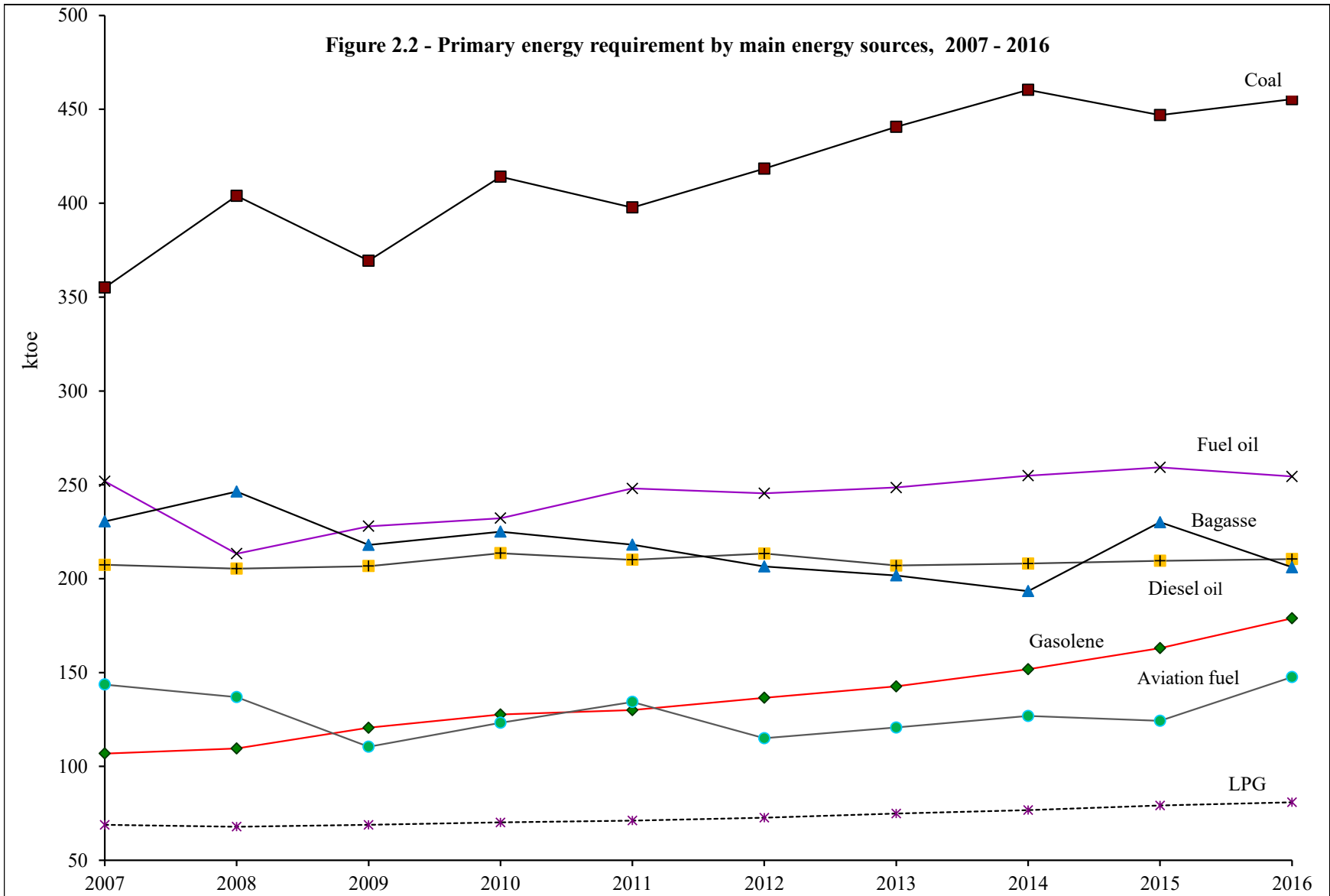


Table 2.2 - Imports of energy sources (Physical unit), 2007 - 2016

Energy source	Thousand tonne									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Fossil fuels										
Coal	647.8	606.5	559.9	660.6	660.2	729.3	708.3	771.8	804.2	925.5
Gasolene	96.4	108.5	104.4	120.9	116.7	128.2	138.2	137.9	154.7	168.8
Diesel oil	307.5	328.5	288.0	310.4	309.9	313.8	336.1	303.6	318.7	339.1
Dual Purpose Kerosene	266.4	268.1	208.8	241.6	230.7	220.1	243.9	234.2	271.3	287.2
<i>Aviation Fuel</i>	262.6	262.2	204.7	234.9	226.4	213.0	241.1	232.0	268.8	285.0
<i>Kerosene</i>	3.7	5.9	4.1	6.7	4.3	7.0	2.8	2.2	2.5	2.1
Fuel oil	333.9	291.0	343.7	341.5	434.8	401.2	429.1	406.4	445.1	489.7
LPG	62.8	63.1	62.6	62.7	66.3	67.9	68.2	75.6	72.5	167.0

Table 2.3 - Imports of energy sources (Energy unit), 2007 - 2016

Energy source	ktoe									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Fossil fuels										
Coal	401.6	376.0	347.1	409.6	409.3	452.2	439.2	478.5	498.6	573.8
Petroleum products	1,080.0	1,075.3	1,018.4	1,090.9	1,168.0	1,142.7	1,228.0	1,170.9	1,276.7	1,383.1
Gasolene	104.1	117.2	112.8	130.6	126.0	138.4	149.3	148.9	167.1	182.3
Diesel oil	310.6	331.7	290.9	313.5	313.0	316.9	339.5	306.7	321.9	342.5
Dual Purpose Kerosene	277.0	278.8	217.2	251.3	239.9	228.8	253.7	243.6	282.1	298.6
<i>Aviation Fuel</i>	273.1	272.7	212.9	244.2	235.4	221.5	250.7	241.3	279.6	296.4
<i>Kerosene</i>	3.9	6.1	4.3	7.0	4.5	7.3	3.0	2.3	2.6	2.2
Fuel oil	320.6	279.4	330.0	327.8	417.4	385.2	411.9	390.2	427.3	470.1
LPG	67.8	68.2	67.6	67.7	71.6	73.3	73.7	81.6	78.3	180.4
Total imports	1,481.7	1,451.4	1,365.6	1,500.5	1,577.3	1,594.9	1,667.2	1,649.4	1,775.4	2,047.8

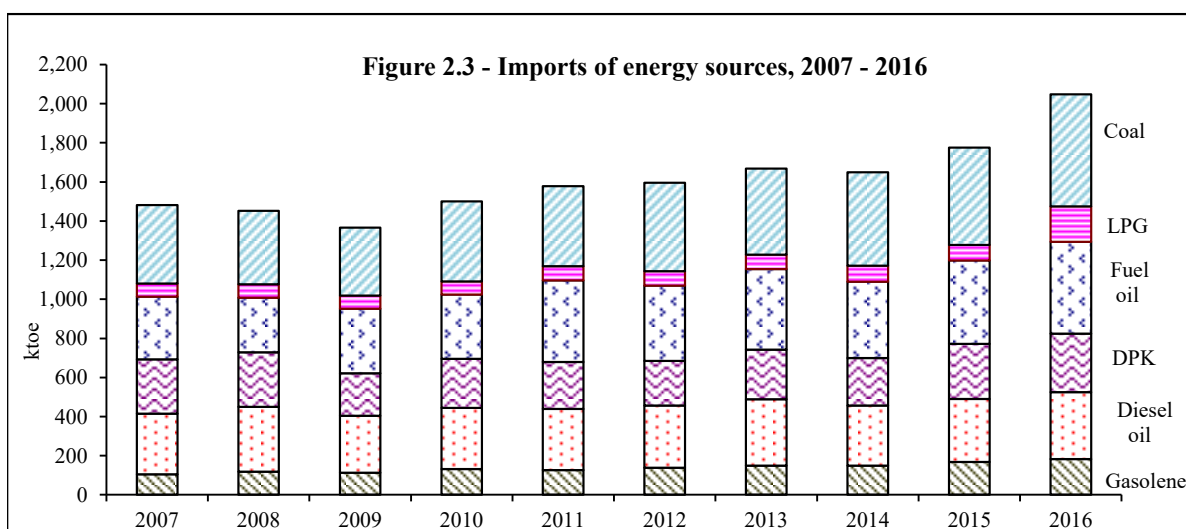


Table 2.4 - Imports of energy sources by country of origin (Physical unit), 2007 - 2016

	Tonne									
Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal	647,782	606,532	559,900	660,620	660,157	729,327	708,334	771,794	804,233	925,526
Mozambique	-	-	-	-	128,415	89,205	3,081	-	-	-
South Africa	647,782	606,532	559,900	660,620	531,742	640,108	705,240	771,744	804,233	925,525
Other	-	-	-	-	-	14	13	50	-	1
Gasolene	96,387	108,509	104,435	120,932	116,680	128,170	138,216	137,893	154,724	168,830
India	96,387	108,509	104,435	120,932	116,680	128,170	138,216	137,882	154,724	168,819
Other	-	-	-	-	-	-	-	11	-	11
Diesel	307,485	328,453	288,015	310,363	309,892	313,769	336,102	303,622	318,704	339,139
Bahrain	-	-	-	-	-	-	-	7,742	5,841	26,704
China	-	-	-	-	-	-	-	-	-	3,094
India	307,485	328,453	288,015	310,363	309,892	313,769	336,102	266,772	305,005	272,515
Saudi Arabia	-	-	-	-	-	-	-	-	-	22,808
Singapore	-	-	-	-	-	-	-	2,674	5,340	1,828
South Africa	-	-	-	-	-	-	-	26,434	2,517	6,160
UAE ¹	-	-	-	-	-	-	-	-	-	6,027
Other	-	-	-	-	-	-	-	0	1	3
Kerosene (excl. jet fuel)	3,723	5,910	4,144	6,749	4,292	7,043	2,843	2,208	2,496	2,126
India	2,987	5,910	4,144	6,749	4,292	7,043	2,843	2,206	2,496	2,125
Seychelles	736	-	-	-	-	-	-	0	0	-
Other	-	-	-	-	-	-	-	2	0	1
Jet fuel type kerosene	262,627	262,206	204,700	234,851	226,392	213,003	241,065	231,976	268,799	285,029
India	257,687	262,206	204,700	234,851	226,392	213,003	241,065	231,975	268,798	285,029
Seychelles	4,940	-	-	-	-	-	-	0	0	-
Other	-	-	-	-	-	-	-	1	1	-
Fuel Oil	333,939	291,046	343,739	341,465	434,793	401,205	429,072	406,433	445,140	489,712
India	333,939	291,046	343,739	341,465	434,793	401,205	429,072	381,615	398,021	351,336
Saudi Arabia	-	-	-	-	-	-	-	-	-	22,255
South Africa	-	-	-	-	-	-	-	-	233	51,130
UAE ¹	-	-	-	-	-	-	-	24,794	38,540	64,987
Ukraine	-	-	-	-	-	-	-	-	8,346	-
Other	-	-	-	-	-	-	-	24	0	4
LPG	62,763	63,110	62,561	62,712	66,330	67,902	68,221	75,581	72,459	166,998
Australia	-	2,969	4,949	7,769	2,484	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	20,755
Belgium	-	-	-	-	13,633	-	-	-	-	-
Guinea	-	19,663	-	16,420	-	-	-	0	-	-
India	-	5,970	2,384	-	-	-	4,798	-	6,535	-
Iran	-	-	30,818	14,423	5,418	-	-	-	-	-
Madagascar	-	5,544	5,837	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	7,951
Mozambique	-	-	-	-	-	-	-	-	-	7,974
Russian	-	-	-	-	-	-	-	-	-	8,636
Saudi Arabia	50,841	19,842	-	2,499	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	5,011	-	27,388
South Africa	36	6,571	-	-	12	-	-	14	-	28
UAE ¹	11,886	-	14,994	19,150	44,783	67,902	63,423	70,552	65,924	74,872
United states	-	-	-	-	-	-	-	-	-	19,384
Vietnam	-	-	3,579	-	-	-	-	-	-	-
Other	-	2,551	-	2,451	-	-	-	4	-	10

¹ United Arab Emirates

Table 2.5 - Imports value of energy sources by country of origin, 2007 - 2016

Country	Value (c.i.f): Rs(000)									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal	1,597,689	2,174,661	1,792,027	2,324,445	2,641,252	2,559,336	2,119,838	2,132,777	1,900,231	1,894,546
Mozambique	-	-	-	-	509,746	326,700	9,306	-	-	-
South Africa	1,597,689	2,174,661	1,792,027	2,324,445	2,131,506	2,232,593	2,110,493	2,132,650	1,900,231	1,893,584
Other	-	-	-	-	-	43	39	127	-	962
Gasolene	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101	4,113,372	4,424,210	4,094,146	3,388,246	3,066,667
India	2,180,054	2,690,298	2,022,369	3,084,361	3,431,101	4,113,372	4,424,210	4,093,822	3,388,246	3,066,404
Other	-	-	-	-	-	-	-	324	-	263
Diesel	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719	9,545,424	10,213,648	8,452,912	6,071,152	5,349,150
Bahrain	-	-	-	-	-	-	-	220,750	151,350	523,757
China	-	-	-	-	-	-	-	-	-	51,695
India	6,442,993	8,908,957	4,852,942	6,945,099	8,685,719	9,545,424	10,213,648	7,410,616	5,707,529	4,135,579
Saudi Arabia	-	-	-	-	-	-	-	-	-	404,251
Singapore	-	-	-	-	-	-	-	73,321	144,810	29,850
South Africa	-	-	-	-	-	-	-	748,216	67,435	100,575
UAE ¹	-	-	-	-	-	-	-	-	-	103,362
Other	-	-	-	-	-	-	-	9	27	80
Kerosene (excl. jet fuel)	82,769	174,630	77,095	154,537	108,353	215,562	88,155	62,030	47,608	34,095
India	65,507	174,630	77,095	154,537	108,353	215,562	88,155	61,977	47,594	34,055
Seychelles	17,263	-	-	-	-	-	-	5	7	5
Other	-	-	-	-	-	-	-	48	7	34
Jet fuel type kerosene	5,825,957	7,287,213	3,579,294	5,464,992	6,190,950	6,600,932	7,482,847	6,526,777	5,192,447	4,541,894
India	5,710,092	7,287,213	3,579,294	5,464,992	6,190,950	6,600,932	7,482,847	6,526,748	5,192,417	4,541,877
Seychelles	115,865	-	-	-	-	-	-	4	3	8
Other	-	-	-	-	-	-	-	25	27	9
Fuel Oil	4,028,957	4,580,564	4,353,206	5,112,788	8,022,088	8,233,892	8,498,585	7,570,756	5,162,134	4,496,412
India	4,028,957	4,580,564	4,353,206	5,112,788	8,022,088	8,233,892	8,498,585	7,091,145	4,608,773	3,067,110
Saudi Arabia	-	-	-	-	-	-	-	-	-	260,534
South Africa	-	-	-	-	-	-	-	-	3,231	510,946
UAE ¹	-	-	-	-	-	-	-	479,105	417,191	657,746
Ukraine	-	-	-	-	-	-	-	-	132,926	-
Other	-	-	-	-	-	-	-	505	12	76
LPG	1,481,585	1,818,791	1,322,175	1,634,513	1,894,466	2,152,059	2,087,934	2,306,709	1,390,637	2,227,002
Australia	-	94,103	90,435	188,800	74,308	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	241,521
Belgium	-	-	-	-	404,325	-	-	-	-	-
Guinea	-	605,544	-	393,192	-	-	-	69	-	-
India	-	165,363	63,092	-	-	-	135,982	-	127,016	-
Iran	-	-	710,991	386,745	138,978	-	-	-	-	-
Madagascar	-	172,432	103,463	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	92,892
Mozambique	-	-	-	-	-	-	-	-	-	110,739
Russian	-	-	-	-	-	-	-	-	-	98,641
Saudi Arabia	1,214,822	523,424	-	61,680	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	316,515	-	392,599
South Africa	940	181,107	-	-	329	-	-	393	-	928
UAE ¹	265,822	-	278,968	543,290	1,276,527	2,152,059	1,951,953	1,989,543	1,263,621	1,035,992
United states	-	-	-	-	-	-	-	-	-	253,287
Vietnam	-	-	75,226	-	-	-	-	-	-	-
Other	-	76,818	-	60,806	-	-	-	189	-	402
All energy sources	21,640,005	27,635,115	17,999,106	24,720,735	30,973,930	33,420,576	34,915,218	31,146,106	23,152,454	21,609,764
Percentage of total imports value	17.9%	20.9%	15.2%	18.3%	20.9%	20.8%	21.1%	18.1%	13.8%	13.1%

¹ United Arab Emirates

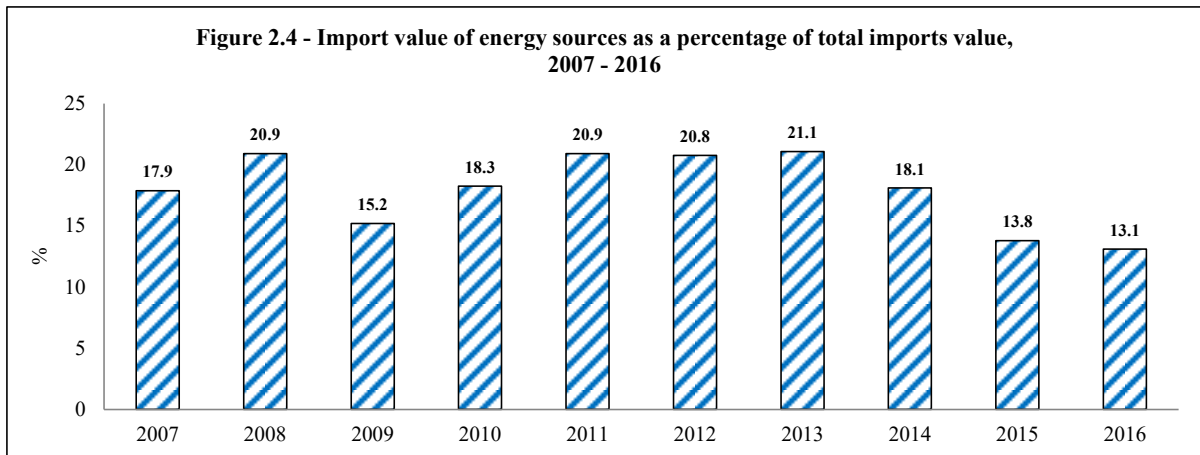


Table 2.6 - Re-exports and bunkering of energy sources, 2007 - 2016

Energy	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Thousand tonne										
Bunkering: Aviation fuel for foreign aircraft	116.8	125.5	112.7	115.0	118.7	110.3	115.9	121.7	141.9	141.6
Diesel oil	118.4	117.3	108.6	113.2	100.2	102.7	114.1	116.7	116.0	119.9
Fuel oil	75.7	96.2	107.7	123.4	185.0	163.3	156.1	170.6	166.8	217.0
Re-export: LPG	-	-	-	-	-	-	-	-	-	82.7
Ktoe										
Bunkering: Aviation fuel for foreign aircraft	121.4	130.5	117.2	119.6	123.5	114.7	120.5	126.6	147.5	147.3
Diesel oil	119.5	118.5	109.7	114.3	101.2	103.7	115.2	117.8	117.1	121.1
Fuel oil	72.6	92.3	103.4	118.5	177.6	156.8	149.8	163.7	160.2	208.3
Re-export: LPG	-	-	-	-	-	-	-	-	-	89.3
Total	313.6	341.3	330.3	352.4	402.3	375.2	385.6	408.2	424.8	566.0
Percentage share (%)										
Bunkering: Aviation fuel for foreign aircraft	38.7	38.2	35.5	33.9	30.7	30.6	31.3	31.0	34.7	26.0
Diesel oil	38.1	34.7	33.2	32.4	25.2	27.6	29.9	28.9	27.6	21.4
Fuel oil	23.2	27.1	31.3	33.6	44.2	41.8	38.9	40.1	37.7	36.8
Re-export: LPG	-	-	-	-	-	-	-	-	-	15.8
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

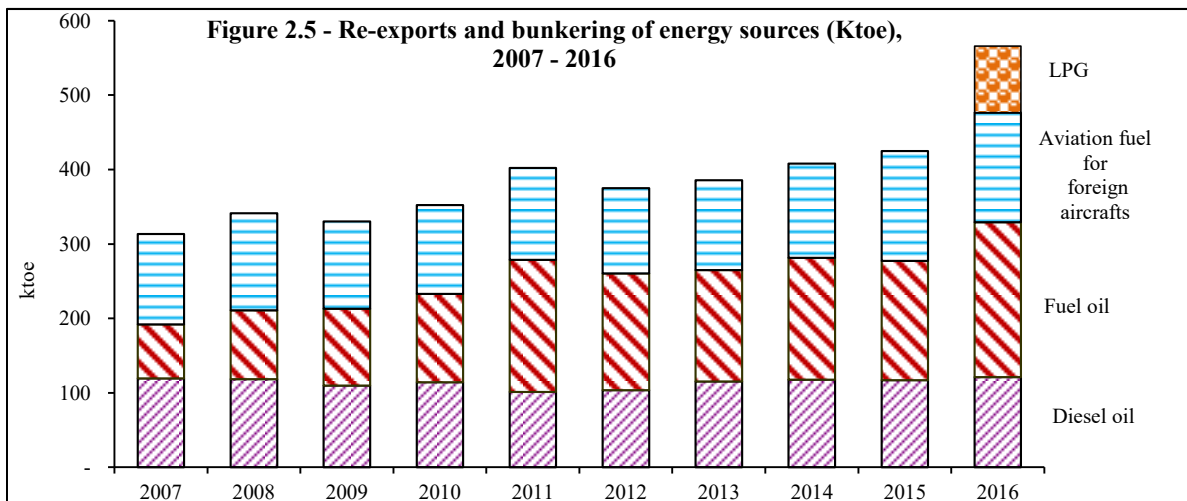


Table 2.7 - Average import price of energy sources by country of origin, 2007 - 2016

Value (c.i.f): Rs/tonne

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Coal	2,466	3,585	3,201	3,519	4,001	3,509	2,993	2,763	2,363	2,047
Mozambique	-	-	-	-	3,970	3,662	3,020	-	-	-
South Africa	2,466	3,585	3,201	3,519	4,009	3,488	2,993	2,763	2,363	2,046
Gasolene	22,618	24,793	19,365	25,505	29,406	32,093	32,009	29,691	21,899	18,164
India	22,618	24,793	19,365	25,505	29,406	32,093	32,009	29,691	21,899	18,164
Diesel	20,954	27,124	16,850	22,377	28,028	30,422	30,389	27,840	19,050	15,773
Bahrain	-	-	-	-	-	-	-	28,513	25,912	19,613
India	20,954	27,124	16,850	22,377	28,028	30,422	30,389	27,779	18,713	3,645
Saudi Arabia	-	-	-	-	-	-	-	-	-	17,724
Singapore	-	-	-	-	-	-	-	27,420	27,118	16,330
South Africa	-	-	-	-	-	-	-	28,305	26,792	16,327
UAE ¹	-	-	-	-	-	-	-	-	-	17,150
Kerosene (excl. jet fuel)	22,232	29,548	18,604	22,898	25,245	30,606	31,008	28,096	19,071	16,037
India	21,931	29,548	18,604	22,898	25,245	30,606	31,008	28,095	19,068	16,026
Seychelles	23,455	-	-	-	-	-	-	29,500	34,948	-
Jet fuel type kerosene	22,183	27,792	17,486	23,270	27,390	30,990	31,041	28,136	19,317	15,935
India	22,159	27,792	17,486	23,270	27,390	30,990	31,041	28,136	19,317	15,935
Seychelles	23,455	-	-	-	-	-	-	28,173	32,500	-
Fuel Oil	12,065	15,738	12,664	14,973	18,450	20,523	19,807	18,627	11,597	9,182
India	12,065	15,738	12,664	14,973	18,450	20,523	19,807	18,582	11,579	8,730
South Africa	-	-	-	-	-	-	-	-	13,869	9,993
UAE ¹	-	-	-	-	-	-	-	19,323	10,825	10,121
Ukraine	-	-	-	-	-	-	-	-	15,927	-
LPG	23,606	28,819	21,134	26,064	28,561	31,694	30,605	30,520	19,192	13,335
Australia	-	31,695	18,273	24,302	29,914	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	11,637
Belgium	-	-	-	-	29,658	-	-	-	-	-
Guinea	-	30,796	-	19,880	-	-	-	264,263	-	-
India	-	27,699	26,465	-	-	-	28,341	-	19,436	-
Iran	-	-	23,071	16,917	25,651	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	11,683
Mozambique	-	-	-	-	-	-	-	-	-	13,888
Russian	-	-	-	-	-	-	-	-	-	11,422
Saudi Arabia	23,895	26,380	-	24,682	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	63,159	-	14,335
South Africa	26,450	27,562	-	-	28,129	-	-	28,999	-	33,128
UAE ¹	22,364	-	18,605	24,916	28,505	31,694	30,777	28,200	19,168	3,383
United States	-	-	-	-	-	-	-	-	-	13,067
Vietnam	-	-	21,019	-	-	-	-	-	-	-

Figure 2.6 - Average import price of energy sources, 2007 - 2016

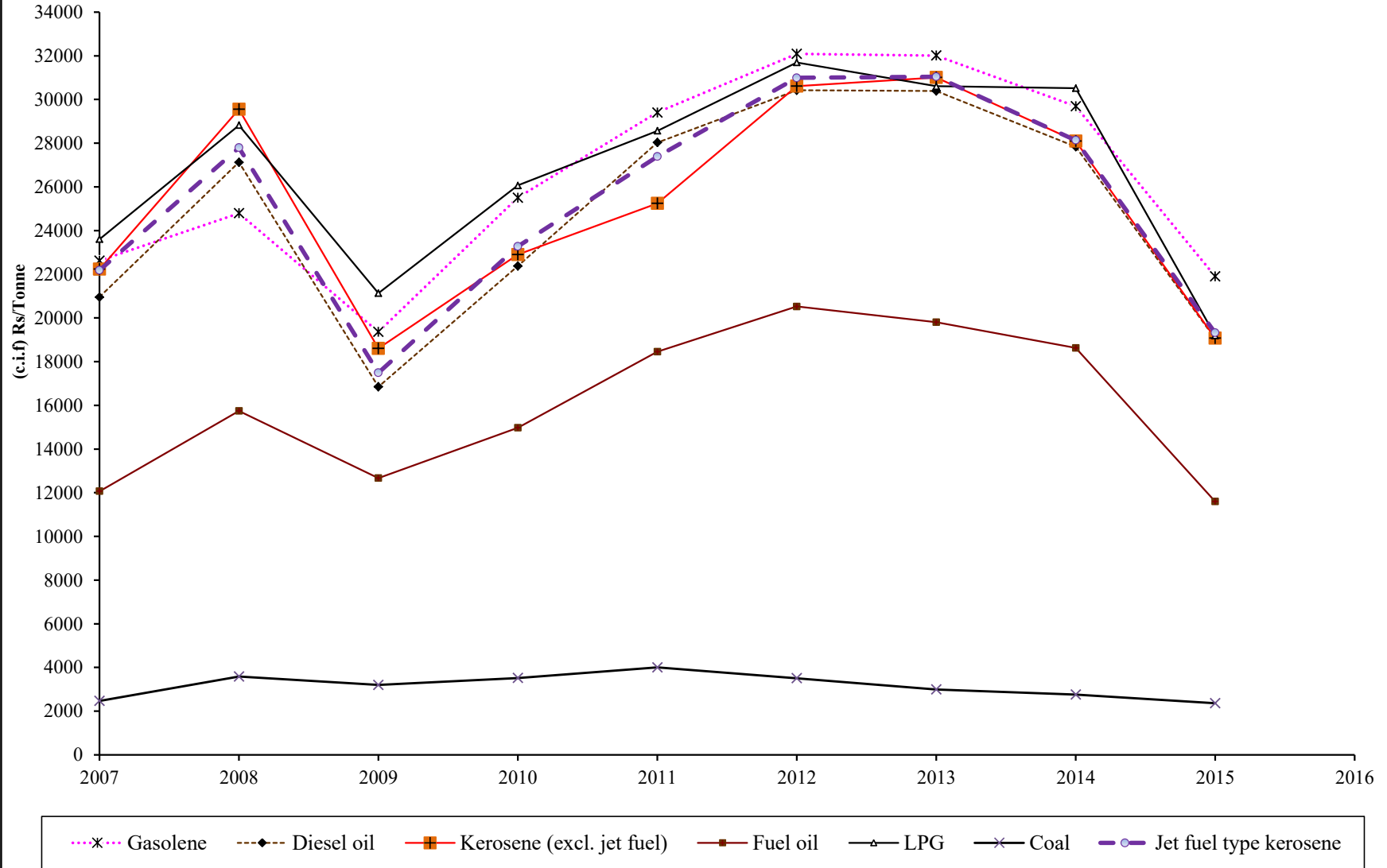
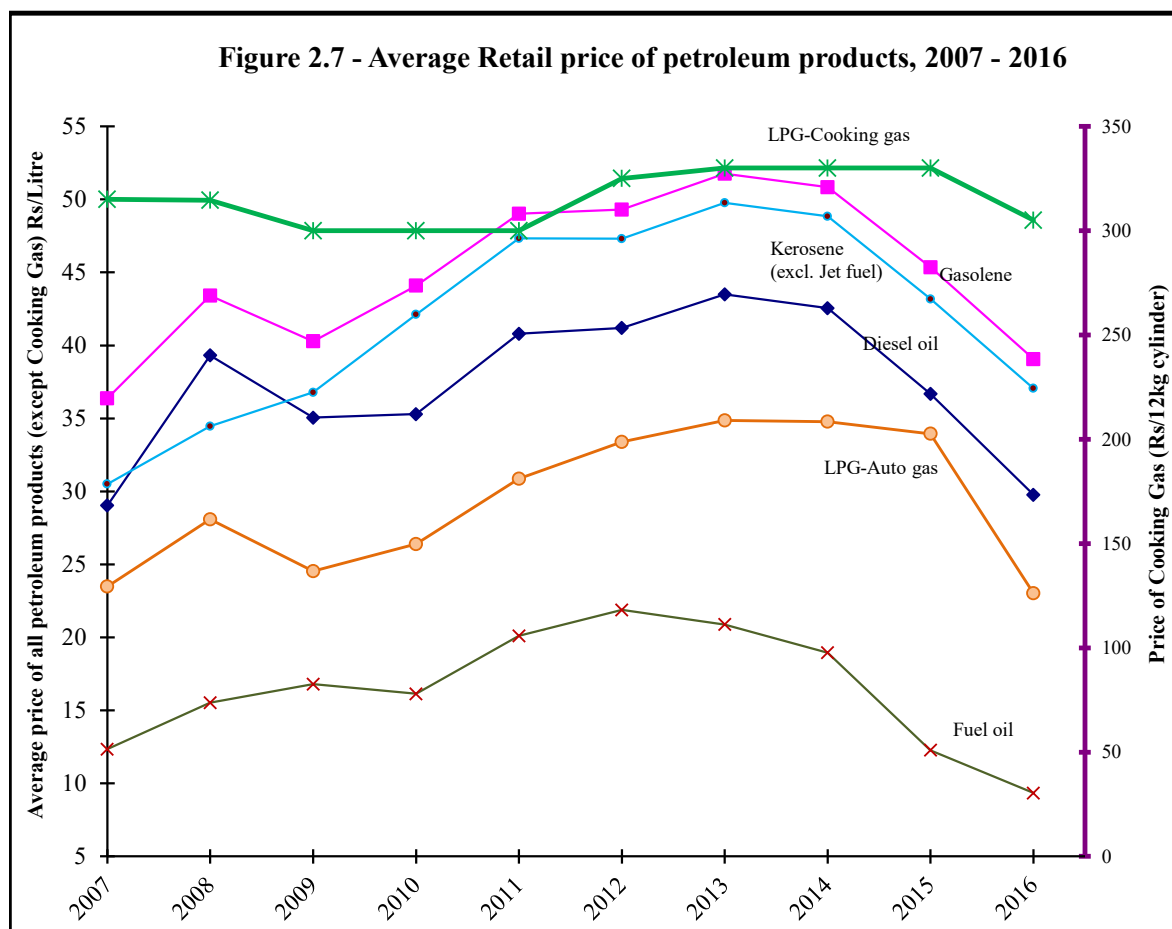


Table 2.8 - Average price of petroleum products and coal used as energy sources, 2007 - 2016

Energy sources	Unit	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Average retail price of petroleum products - Rupees											
Gasolene	1 Litre	36.38	43.41	40.28	44.09	49.01	49.30	51.76	50.84	45.35	39.06
Diesel oil	1 Litre	29.03	39.32	35.05	35.29	40.79	41.20	43.49	42.55	36.67	29.77
Kerosene (excl. jet fuel)	1 Litre	30.50	34.46	36.78	42.12	47.33	47.30	49.76	48.84	43.18	37.06
Fuel Oil ¹	1 Litre	12.35	15.53	16.80	16.14	20.10	21.88	20.88	18.96	12.27	9.34
LPG - Cooking Gas	12 Kg	315.00	314.60	300.00	300.00	300.00	325.00	330.00	330.00	330.00	305.00
LPG- Auto Gas	1 Litre	23.49	28.09	24.53	26.40	30.88	33.40	34.86	34.78	33.95	23.02
Average wholesale price of coal - Rupees											
Coal	Tonne	2,959	3,961	3,691	4,115	4,758	4,360	3,847	3,574	3,220	3,618

¹ Not retail price but sales price of STC





Section III
Transformation of energy

Table 3.1 - Plant capacity, peak demand, electricity generation, sales and total consumption of electricity, 2007 - 2016

Year	Plant capacity ¹ (MW)				Peak Power Demand (MW)		Electricity generated (GWh)							Sales (GWh)	Total Consumption (GWh) ²
	Installed		Effective				Hydro	Wind	Photo-voltaic	Thermal		Total	Available for sales ²		
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.				Landfill gas	Other				
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	2,676.14	2,738.59	2,466.29	2,228.23	2,500.53
2012	767.6	13.7	682.6	12.9	430.1	6.6	74.07	3.57	0.90	17.80	2,700.80	2,797.14	2,529.10	2,294.36	2,562.40
2013	764.6	13.6	687.3	12.7	441.1	6.9	94.84	3.61	2.71	20.01	2,764.12	2,885.29	2,611.13	2,384.14	2,658.30
2014	768.5	13.7	697.0	12.8	446.2	7.2	90.84	3.17	24.62	21.33	2,796.98	2,936.94	2,679.23	2,452.20	2,709.90
2015	779.0	13.8	701.3	13.0	459.9	7.2	121.88	2.69	25.87	20.36	2,824.78	2,995.58	2,729.94	2,505.43	2,771.07
2016	796.9	13.9	718.6	13.1	467.9	7.6	99.50	17.95	30.30	18.70	2,875.74	3,042.19	2,778.26	2,558.65	2,825.60

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

¹ Includes plant capacity for electricity not exported to CEB

² Revised

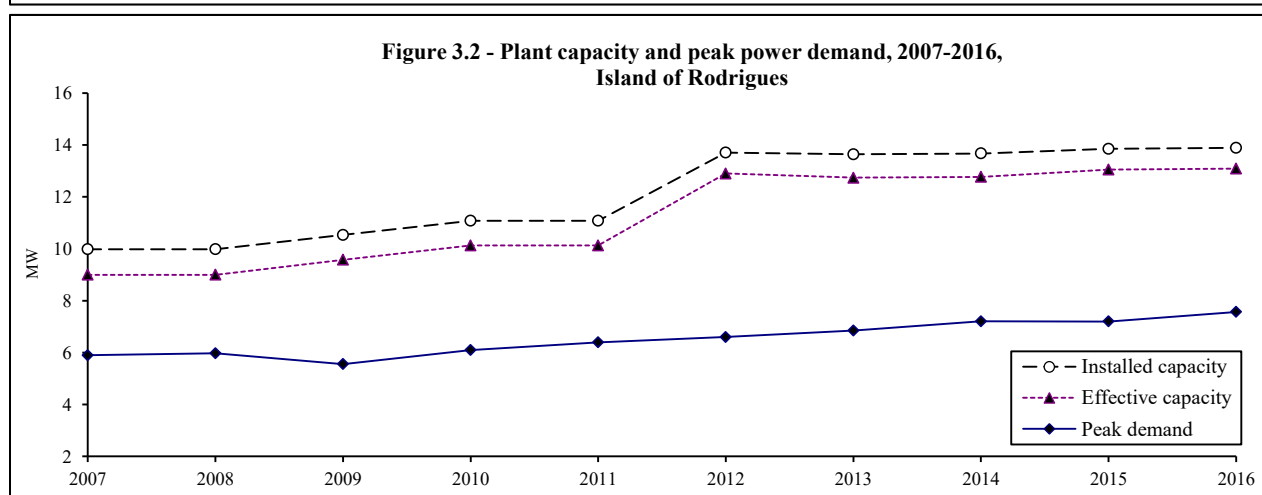
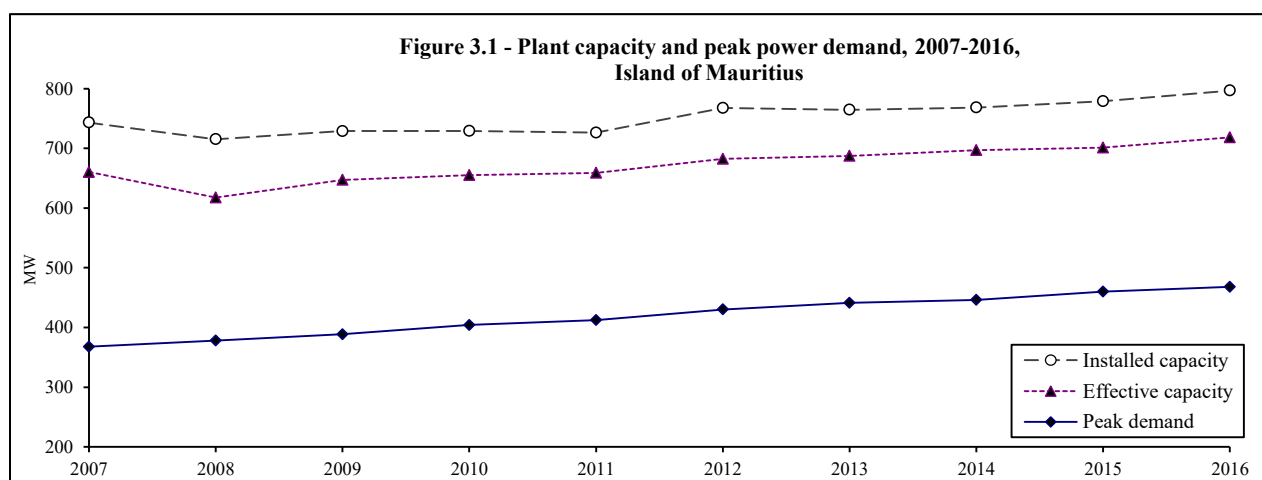


Table 3.2 Plant Capacity, 2016

Plant capacity (MW)	Installed	Effective	Plant capacity (MW)	Installed	Effective
Central Electricity Board (CEB)					
Hydro:			Wind:		
<u>Island of Mauritius</u>	<u>60.74</u>	<u>56.30</u>	<u>Island of Rodrigues</u>	<u>1.28</u>	<u>1.28</u>
Champagne	30.00	28.00	Thermal:		
Ferney	10.00	10.00	<u>Island of Mauritius</u>	<u>415.00</u>	<u>382.60</u>
Tamarind Falls	11.70	9.50	St Louis	89.00	66.60
Le Val	4.00	4.00	Fort Victoria	109.60	107.00
Reduit	1.20	1.00	Nicolay	78.40	75.00
La Ferme	1.20	1.20	Fort George	138.00	134.00
Cascade Cecile	1.00	1.00	<u>Island of Rodrigues</u>	<u>12.40</u>	<u>11.60</u>
Magenta	0.94	0.90			
La Nicoliere F.C	0.35	0.35			
Midlands Dam	0.35	0.35			
Photovoltaic:					
<u>Island of Mauritius</u>	<u>0.01</u>	<u>0.01</u>			
Fort George	0.005	0.005			
Fort Victoria	0.005	0.005			
Independent Power Producers (IPP)					
Photovoltaic:			Wind:		
<u>Island of Mauritius</u>	<u>27.09</u>	<u>26.11</u>	<u>Island of Mauritius</u>	<u>9.35</u>	<u>9.35</u>
<u>Island of Rodrigues</u>	<u>0.20</u>	<u>0.20</u>	(EOLE-Plaine des Roches)	9.35	9.35
			Thermal:		
			<u>Island of Mauritius</u>	<u>284.75</u>	<u>244.20</u>
			Firm producers¹	258.80	224.80
			Alteo Energy Ltd (F.U.E.L)	36.70	33.00
			Terragen (CTBV)	71.20	62.00
			Alteo Beau Champ (CEL)	28.40	25.80
			Omnican Thermal Energy Operation:		
			- St Aubin (CTDS)	32.50	30.00
			- Line Barracks (CTSAV)	90.00	74.00
			Continuous producers²	22.50	16.40
			Medine	22.50	16.40
			Landfill gas (Sotravic Ltd)	3.45	3.00
1. Island of Mauritius				796.94	718.57
Central Electricity Board				475.75	438.91
Independent Power Producers				321.19	279.66
of which involved in export to CEB				320.91	264.46
2. Island of Rodrigues				13.88	13.08
Central Electricity Board				13.68	12.88
Independent Power Producers				0.20	0.20
Grand Total				810.82	731.65

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

¹ Producing electricity **all year** round with bagasse/coal² Producing electricity with bagasse **only** during crop season

Table 3.3 - Electricity Generation by source of energy, 2007-2016

GWh

Source of energy	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Primary Energy										
Republic of Mauritius	84.3	108.4	123.9	103.2	62.5	96.3	121.2	140.0	170.8	166.5
Hydro	83.9	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5
Landfill gas	0.0	0.0	0.0	0.0	3.1	17.8	20.0	21.3	20.4	18.7
Photovoltaic	0.0	0.0	0.0	0.0	0.0	0.9	2.7	24.6	25.9	30.3
Wind	0.4	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	18.0
Island of Mauritius	83.9	108.0	122.4	100.7	59.6	92.8	117.5	136.6	168.0	162.7
Hydro	83.9	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5
Landfill gas	-	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7
Photovoltaic	-	-	-	-	-	0.9	2.7	24.5	25.7	30.0
Wind	-	-	-	-	-	-	-	-	-	14.5
Island of Rodrigues	0.4	0.4	1.5	2.5	2.8	3.6	3.6	3.3	2.8	3.8
Photovoltaic	-	-	-	-	-	-	0.0	0.1	0.2	0.3
Wind	0.4	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	3.5
Secondary Energy										
Republic of Mauritius	2,380.4	2,448.8	2,453.5	2,585.5	2,676.1	2,700.8	2,764.1	2,797.0	2,824.8	2,875.7
Gas turbine (kerosene)	3.2	6.6	15.3	18.9	11.6	11.0	1.7	2.0	2.0	2.1
Diesel & Fuel oil	915.7	827.1	938.0	976.6	1,058.7	1,057.0	1,076.1	1,079.3	1,131.2	1,109.8
Coal	993.6	1,128.7	1,015.3	1,115.9	1,119.4	1,162.3	1,213.6	1,259.5	1,181.7	1,266.8
Bagasse	467.9	486.4	485.0	474.1	486.5	470.5	472.8	456.2	509.8	497.0
Island of Mauritius	2,349.9	2,418.1	2,423.3	2,555.9	2,645.8	2,670.8	2,732.1	2,762.9	2,788.0	2,838.8
Gas turbine (kerosene)	3.2	6.6	15.3	18.9	11.6	11.0	1.7	2.0	2.0	2.1
Diesel & Fuel oil	885.2	796.4	907.8	947.0	1,028.4	1,027.0	1,044.1	1,045.2	1,094.5	1,072.9
Coal	993.6	1,128.7	1,015.3	1,115.9	1,119.4	1,162.3	1,213.6	1,259.5	1,181.7	1,266.8
Bagasse	467.9	486.4	485.0	474.1	486.5	470.5	472.8	456.2	509.8	497.0
Island of Rodrigues	30.5	30.8	30.2	29.6	30.3	30.0	32.0	34.1	36.8	37.0
Diesel & Fuel oil	30.5	30.8	30.2	29.6	30.3	30.0	32.0	34.1	36.8	37.0
Total	2,464.6	2,557.2	2,577.4	2,688.7	2,738.6	2,797.1	2,885.3	2,936.9	2,995.6	3,042.2

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

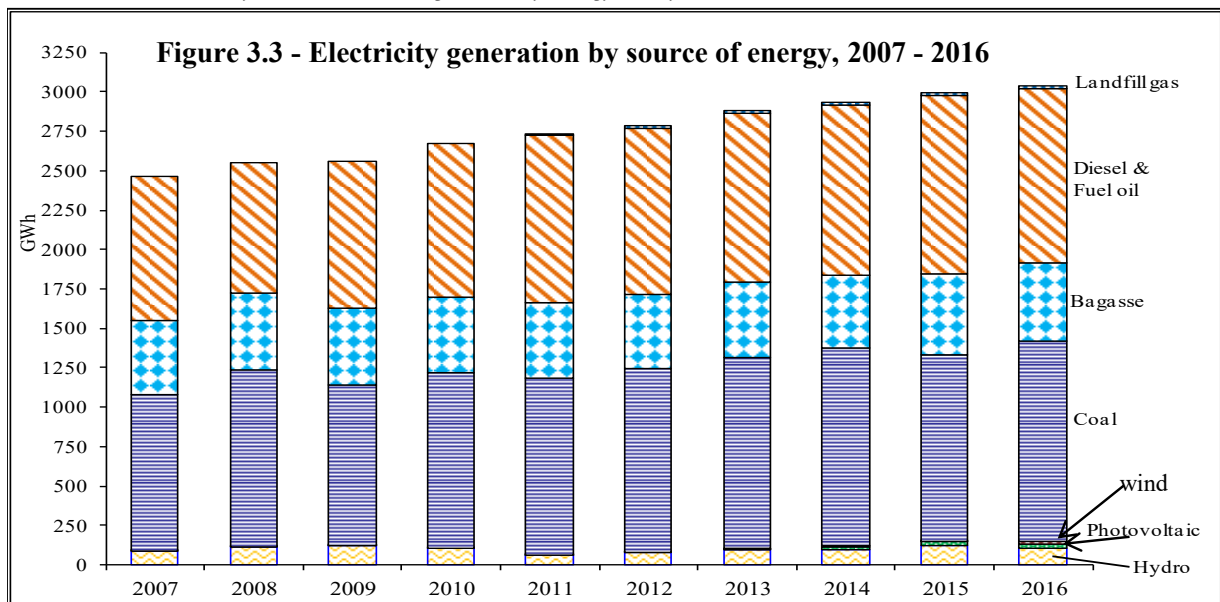
¹ Estimates

Table 3.4 - Electricity Exported to Central Electricity Board by energy source, 2007 - 2016

	GWh									
Source of energy	2007	2008	2009	2010	2011	2012	2013	2014	2015 ¹	2016
Republic of Mauritius	1226.7	1365.1	1228.6	1309.4	1336.7	1383.4	1434.9	1504.0	1472.1	1563.3
<i>of which renewables</i>	<i>346.8</i>	<i>366.4</i>	<i>353.6</i>	<i>342.8</i>	<i>355.7</i>	<i>362.1</i>	<i>367.8</i>	<i>378.6</i>	<i>425.4</i>	<i>428.0</i>
Landfill gas	-	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7
Photovoltaic	-	-	-	-	-	0.3	1.3	22.7	23.8	26.4
Wind	-	-	-	-	-	-	0.0	-	-	14.5
Coal	879.9	998.7	875.0	966.6	981.0	1021.4	1067.2	1125.4	1046.8	1135.3
Bagasse	346.8	366.4	353.6	342.8	352.6	344.0	346.5	334.5	381.2	368.4
Island of Mauritius	1226.7	1365.1	1228.6	1309.4	1336.7	1383.4	1434.9	1503.9	1472.0	1563.1
Landfill gas	-	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7
Photovoltaic	-	-	-	-	-	0.3	1.2	22.6	23.7	26.2
Wind	-	-	-	-	-	-	0.0	-	-	14.5
Coal	879.9	998.7	875.0	966.6	981.0	1021.4	1067.2	1125.4	1046.8	1135.3
Bagasse	346.8	366.4	353.6	342.8	352.6	344.0	346.5	334.5	381.2	368.4
Island of Rodrigues	-	-	-	-	-	-	0.01	0.09	0.12	0.20
Photovoltaic	-	-	-	-	-	-	0.01	0.09	0.12	0.20

Source: Central Electricity Board ¹ Revised

Table 3.5 - Generation of electricity by Central Electricity Board and Independent Power Producers, 2007 - 2016

	GWh									
Power station	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Central Electricity Board										
Republic of Mauritius	1,003.1	942.1	1,077.2	1,098.8	1,129.6	1,145.7	1,176.2	1,175.3	1,257.8	1,214.9
Island of Mauritius	972.3	911.0	1,045.5	1,066.7	1,096.4	1,112.1	1,140.6	1,138.0	1,218.4	1,174.5
Hydro	83.9	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5
Thermal	888.4	802.9	923.0	966.0	1,040.0	1,038.0	1,045.8	1,047.2	1,096.5	1,075.0
Photovoltaic	-	-	-	-	-	-	-	-	-	0.01
Island of Rodrigues	30.9	31.1	31.7	32.1	33.1	33.6	35.6	37.3	39.5	40.5
Wind	0.4	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	3.5
Thermal	30.5	30.8	30.2	29.6	30.3	30.0	32.0	34.1	36.8	37.0
Independent Power Producer										
Republic of Mauritius	1,461.5	1,615.1	1,500.3	1,589.9	1,609.0	1,651.5	1,709.1	1,761.7	1,737.8	1,827.2
<i>of which: exported to CEB</i>	<i>1,226.7</i>	<i>1,365.1</i>	<i>1,228.6</i>	<i>1,309.4</i>	<i>1,336.7</i>	<i>1,383.4</i>	<i>1,434.9</i>	<i>1,504.0</i>	<i>1,472.1</i>	<i>1,563.3</i>
Island of Mauritius	1,461.5	1,615.1	1,500.3	1,589.9	1,609.0	1,651.5	1,709.0	1,761.5	1,737.6	1,827.0
Photovoltaic	-	-	-	-	-	0.9	2.7	24.5	25.7	30.0
Wind	-	-	-	-	-	-	-	-	-	14.5
Thermal:	1,461.5	1,615.1	1,500.3	1,589.9	1,609.0	1,650.6	1,706.4	1,737.1	1,711.9	1,782.5
Coal	993.6	1,128.7	1,015.3	1,115.9	1,119.4	1,162.3	1,213.6	1,259.5	1,181.7	1,266.8
Bagasse	467.9	486.4	485.0	474.1	486.5	470.5	472.8	456.2	509.8	497.0
Landfill gas	-	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7
Island of Rodrigues	-	-	-	-	-	0.0010	0.02	0.14	0.16	0.27
Photovoltaic	-	-	-	-	-	0.0010	0.02	0.14	0.16	0.27
<i>of which: exported to CEB</i>	-	-	-	-	-	-	<i>0.01</i>	<i>0.09</i>	<i>0.12</i>	<i>0.20</i>
Total Electricity Generated	2,464.6	2,557.2	2,577.4	2,688.7	2,738.6	2,797.1	2,885.3	2,936.9	2,995.6	3,042.2
<i>of which renewables</i>	<i>552.2</i>	<i>594.8</i>	<i>608.9</i>	<i>577.3</i>	<i>548.9</i>	<i>566.8</i>	<i>594.0</i>	<i>596.2</i>	<i>680.6</i>	<i>663.4</i>
Republic of Mauritius										
Total available for sales	2,229.8	2,307.2	2,305.8	2,408.1	2,466.3	2,529.1	2,611.1	2,679.2	2,729.9	2,778.3
<i>of which renewables</i>	<i>431.1</i>	<i>474.8</i>	<i>477.5</i>	<i>446.0</i>	<i>415.0</i>	<i>439.7</i>	<i>466.2</i>	<i>472.6</i>	<i>549.8</i>	<i>530.8</i>

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

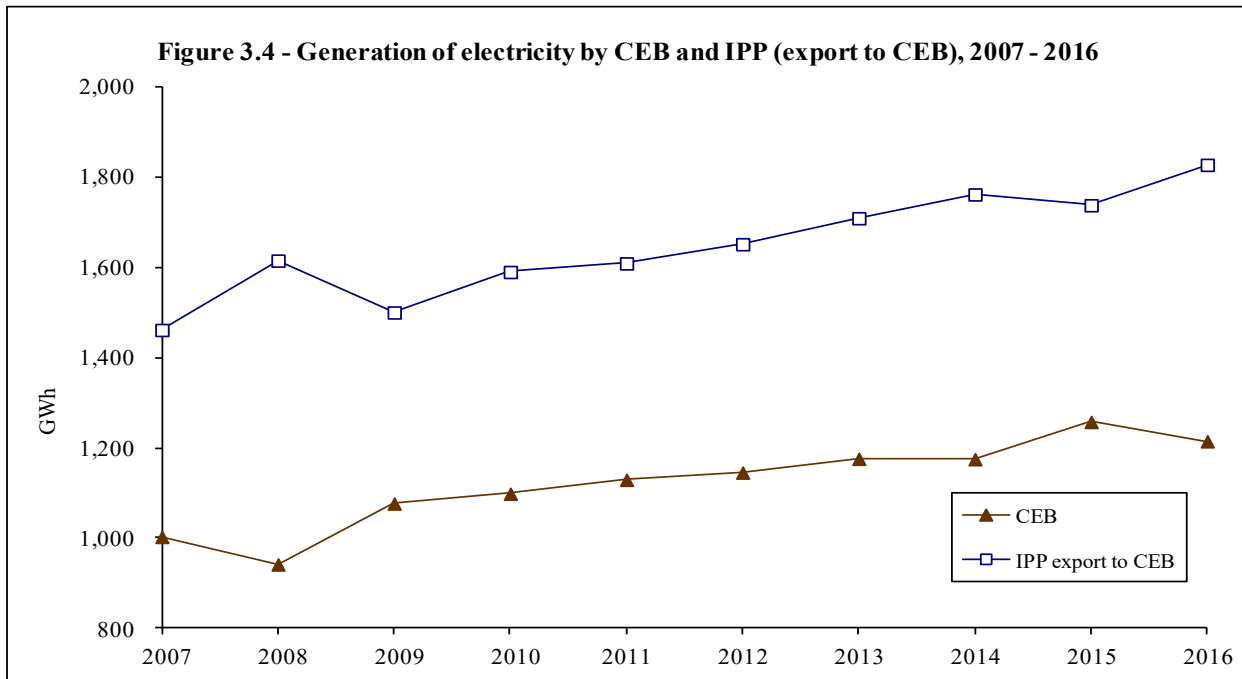


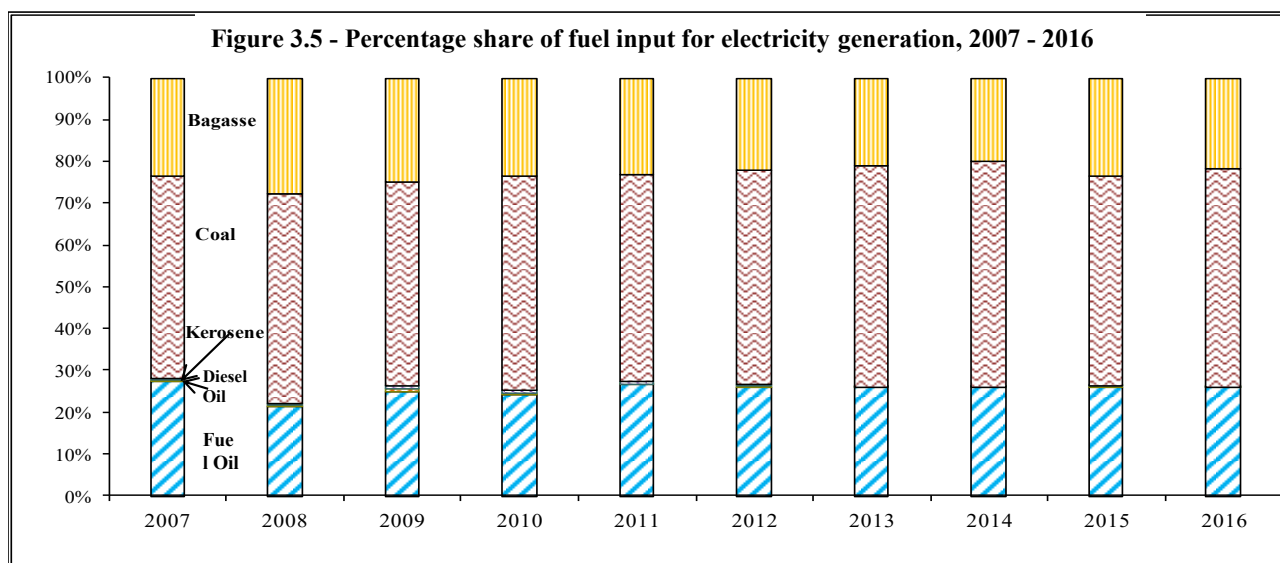
Table 3.6 - Percentage share of electricity generated by CEB and IPP, 2007 - 2016

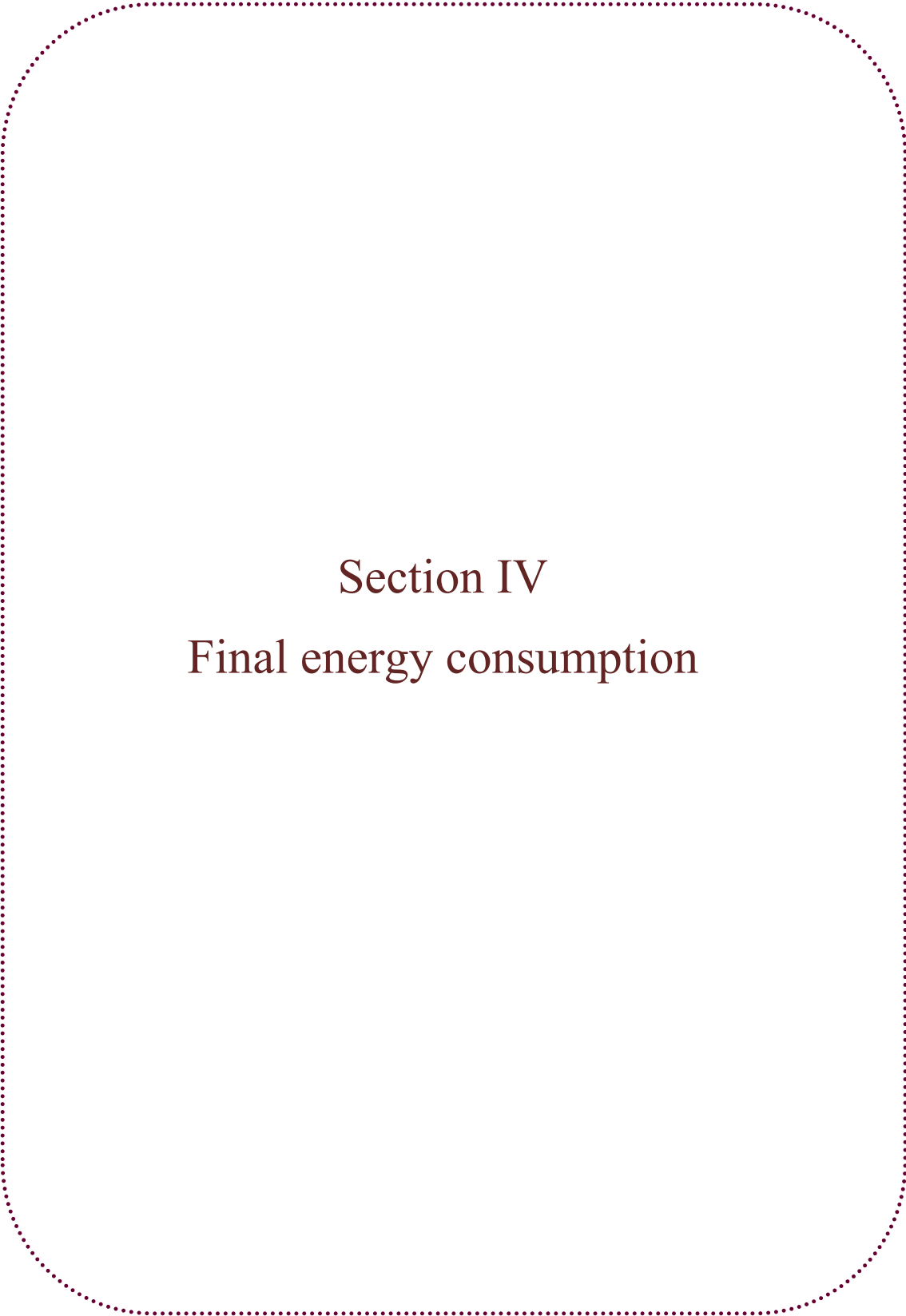
%

Power station	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Central Electricity Board										
Republic of Mauritius	40.7	36.8	41.8	40.9	41.2	41.0	40.8	40.0	42.0	39.9
Island of Mauritius	39.4	35.6	40.6	39.7	40.0	39.8	39.5	38.7	40.7	38.6
Hydro	3.4	4.2	4.7	3.7	2.1	2.6	3.3	3.1	4.1	3.3
Thermal	36.0	31.4	35.8	35.9	38.0	37.1	36.2	35.7	36.6	35.3
Photovoltaic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Island of Rodrigues	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3
Wind	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Thermal	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.2
Independent Power Producer										
Republic of Mauritius	59.3	63.2	58.2	59.1	58.8	59.0	59.2	60.0	58.0	60.1
<i>of which: exported to CEB</i>	<i>49.8</i>	<i>53.4</i>	<i>47.7</i>	<i>48.7</i>	<i>48.8</i>	<i>49.5</i>	<i>49.7</i>	<i>51.2</i>	<i>49.1</i>	<i>51.4</i>
Island of Mauritius	59.3	63.2	58.2	59.1	58.8	59.0	59.2	60.0	58.0	60.1
Photovoltaic	-	-	-	-	-	0.0	0.1	0.8	0.9	1.0
Wind	-	-	-	-	-	-	-	-	-	0.5
Thermal:	59.3	63.2	58.2	59.1	58.8	59.0	59.1	59.1	57.1	58.6
Coal	40.3	44.1	39.4	41.5	40.9	41.6	42.1	42.9	39.4	41.6
Bagasse	19.0	19.0	18.8	17.6	17.8	16.8	16.4	15.5	17.0	16.3
Landfill gas	-	-	-	-	0.1	0.6	0.7	0.7	0.7	0.6
Island of Rodrigues	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Photovoltaic	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
<i>of which: exported to CEB</i>	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0
Total Electricity Generated	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>	<i>22.4</i>	<i>23.3</i>	<i>23.6</i>	<i>21.5</i>	<i>20.0</i>	<i>20.3</i>	<i>20.6</i>	<i>20.3</i>	<i>22.7</i>	<i>21.8</i>

Table 3.7 - Fuel input for electricity generation, 2007 - 2016

Fuel	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Tonne										
Republic of Mauritius	1,798,551	2,082,226	1,908,018	1,988,319	1,956,036	1,945,269	1,957,457	1,965,054	2,156,045	2,056,736
Fuel oil	201,820	167,546	190,604	196,882	214,517	213,032	216,190	221,345	229,570	224,212
Diesel oil	2,746	1,901	2,761	1,997	1,523	1,857	1,269	1,229	1,084	1,025
Kerosene	1,067	2,095	4,924	6,008	3,659	3,437	645	681	741	729
Coal	552,632	609,745	574,141	643,049	617,297	649,157	683,207	711,236	684,348	701,225
Bagasse ¹	1,040,286	1,300,939	1,135,588	1,140,383	1,119,040	1,077,786	1,056,146	1,030,563	1,240,301	1,129,545
Island of Mauritius	1,791,704	2,074,859	1,900,889	1,981,423	1,948,926	1,938,254	1,950,053	1,957,193	2,147,485	2,048,217
Fuel oil	195,081	160,359	183,678	190,108	207,576	206,146	208,865	213,588	221,116	215,794
Diesel oil	2,638	1,721	2,558	1,875	1,354	1,728	1,190	1,125	979	924
Kerosene	1,067	2,095	4,924	6,008	3,659	3,437	645	681	741	729
Coal	552,632	609,745	574,141	643,049	617,297	649,157	683,207	711,236	684,348	701,225
Bagasse ¹	1,040,286	1,300,939	1,135,588	1,140,383	1,119,040	1,077,786	1,056,146	1,030,563	1,240,301	1,129,545
Island of Rodrigues	6,847	7,367	7,129	6,896	7,110	7,015	7,404	7,861	8,559	8,519
Fuel oil	6,740	7,188	6,926	6,774	6,941	6,886	7,325	7,757	8,455	8,418
Diesel oil	108	180	203	122	169	129	79	104	105	101
ktoe										
Republic of Mauritius	706.71	751.14	728.55	778.41	773.05	784.89	802.07	820.30	845.00	832.52
Fuel oil	193.75	160.84	182.98	189.00	205.93	204.51	207.54	212.49	220.39	215.24
Diesel oil	2.77	1.92	2.79	2.01	1.54	1.88	1.28	1.24	1.09	1.04
Kerosene	1.11	2.18	5.12	6.25	3.81	3.57	0.67	0.71	0.77	0.76
Coal	342.63	378.04	355.97	398.69	382.72	402.48	423.59	440.97	424.30	434.76
Bagasse ¹	166.45	208.15	181.69	182.46	179.05	172.45	168.98	164.89	198.45	180.73
Island of Mauritius	700.13	744.05	721.70	771.79	766.22	778.15	794.95	812.75	836.77	824.34
Fuel oil	187.28	153.94	176.33	182.50	199.27	197.90	200.51	205.04	212.27	207.16
Diesel oil	2.66	1.74	2.58	1.89	1.37	1.75	1.20	1.14	0.99	0.93
Kerosene	1.11	2.18	5.12	6.25	3.81	3.57	0.67	0.71	0.77	0.76
Coal	342.63	378.04	355.97	398.69	382.72	402.48	423.59	440.97	424.30	434.76
Bagasse ¹	166.45	208.15	181.69	182.46	179.05	172.45	168.98	164.89	198.45	180.73
Island of Rodrigues	6.58	7.08	6.85	6.62	6.83	6.74	7.11	7.55	8.22	8.18
Fuel oil	6.47	6.90	6.65	6.50	6.66	6.61	7.03	7.45	8.12	8.08
Diesel oil	0.11	0.18	0.21	0.12	0.17	0.13	0.08	0.11	0.11	0.10

¹ Estimates



Section IV
Final energy consumption

Table 4.1 - Final energy consumption by sector (Energy unit), 2007 - 2016

ktoe

Sector	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Manufacturing	259.36	243.49	220.45	231.16	222.41	215.48	212.27	210.74	216.22	206.88
2. Transport	415.60	410.65	394.89	421.59	435.29	427.26	438.78	454.14	463.13	505.64
3. Commercial and Distributive Trade	65.23	69.05	72.29	76.44	80.66	83.67	88.06	92.52	95.52	97.56
4. Household	108.77	110.15	113.11	116.89	117.40	120.12	123.39	126.48	129.88	132.21
5. Agriculture	4.90	4.48	4.07	4.40	4.30	4.50	4.53	4.60	4.21	4.49
6. Other (n.e.s) and losses	3.64	3.81	3.76	3.53	2.97	3.37	3.55	3.45	3.90	4.30
Total	857.50	841.63	808.57	854.01	863.02	854.41	870.57	891.93	912.86	951.07

Table 4.2 - Percentage share of final energy consumption by sector, 2007 - 2016

%

Sector	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Manufacturing	30.2	28.9	27.3	27.1	25.8	25.2	24.4	23.6	23.7	21.8
2. Transport	48.5	48.8	48.8	49.4	50.4	50.0	50.4	50.9	50.7	53.2
3. Commercial and Distributive Trade	7.6	8.2	8.9	9.0	9.3	9.8	10.1	10.4	10.5	10.2
4. Household	12.7	13.1	14.0	13.7	13.6	14.1	14.2	14.2	14.2	13.9
5. Agriculture	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
6. Other (n.e.s) and losses	0.4	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

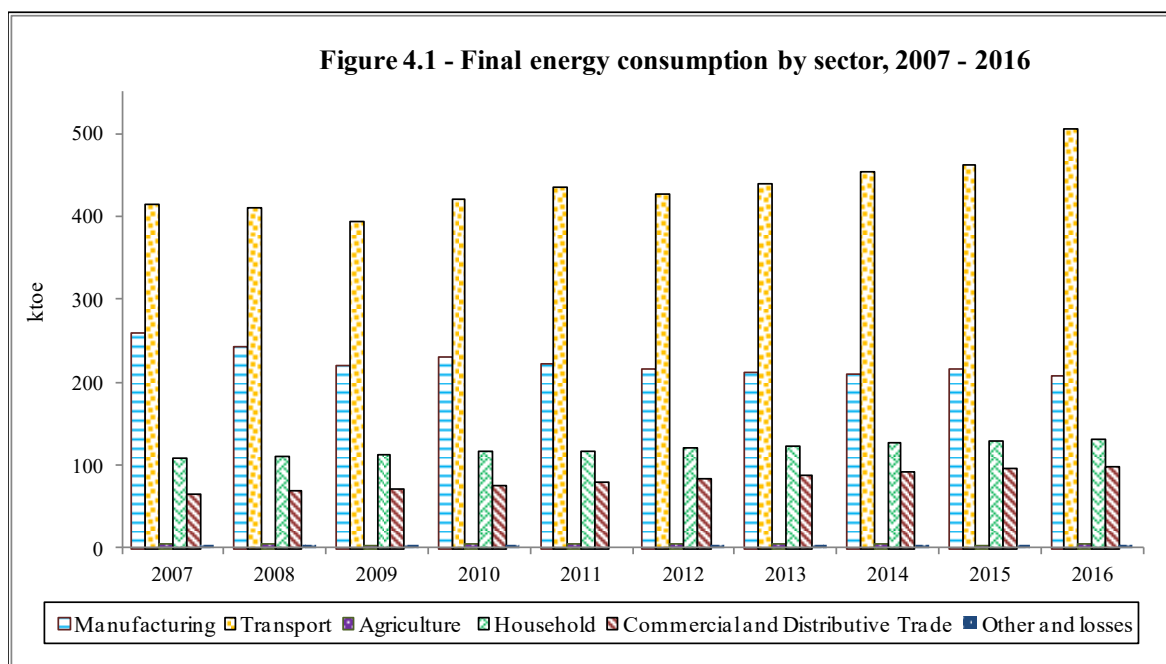


Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 2007 - 2016

Sectors	Unit	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Manufacturing											
Fuel oil	tonne	55,722	50,268	43,078	41,472	40,316	38,953	39,182	40,476	37,203	36,789
Diesel oil	tonne	48,336	46,301	45,882	46,543	43,094	41,310	35,443	36,096	36,592	35,305
LPG	tonne	4,068	4,920	5,007	5,122	5,238	5,463	5,353	5,427	5,672	5,601
Coal	tonne	19,964	41,672	21,572	24,786	24,200	25,619	27,507	31,250	36,436	33,193
Fuelwood ¹	tonne	1,425	1,425	1,426	1,426	1,425	1,410	1,385	1,343	1,300	1,261
Electricity	GWh	879.6	912.9	897.2	934.3	929.2	929.8	962.6	944.5	962.0	970.5
Bagasse	tonne	400,646	239,276	226,759	265,988	244,288	213,123	204,565	177,973	197,646	158,431
2. Transport											
Land											
Gasolene	tonne	96,463	98,867	108,871	115,266	117,370	123,352	128,928	137,244	147,565	161,833
Diesel oil	tonne	150,717	151,840	152,631	159,471	159,904	164,650	164,802	165,140	166,294	168,544
LPG	tonne	6,633	5,184	4,587	4,641	4,502	4,363	4,068	3,744	3,190	3,479
Air											
Jet Fuel	tonne	138,104	131,631	106,246	118,553	129,170	110,582	116,093	121,968	119,555	141,915
Sea											
Fuel Oil	tonne	4,845	4,371	3,746	3,537	3,575	3,674	3,525	3,641	3,253	4,048
Gasolene	tonne	2,477	2,539	2,796	2,960	3,014	3,105	3,170	3,260	3,395	3,844
Diesel oil	tonne	1,062	1,070	1,076	1,124	1,127	1,137	1,142	1,210	1,219	1,235
3. Commercial and Distributive Trade											
LPG	tonne	10,927	10,094	10,575	10,925	11,260	11,918	13,285	14,028	15,099	16,083
Charcoal ¹	tonne	407	422	437	453	469	474	483	497	450	420
Electricity	GWh	617.9	672.7	704.2	748.0	792.6	819.3	853.2	895.6	917.5	929.1
4. Household											
Kerosene	tonne	1,238	1,772	1,476	1,731	515	243	202	153	131	71
LPG	tonne	42,088	42,394	43,237	44,059	44,640	45,329	46,360	47,570	49,093	49,455
Fuelwood ¹	tonne	17,497	16,726	16,619	16,597	16,336	16,003	15,466	14,529	13,625	13,564
Charcoal ¹	tonne	126	119	119	119	116	114	111	103	98	95
Electricity	GWh	643.0	652.2	680.1	710.7	725.3	753.0	781.0	806.5	831.3	854.8
5. Agriculture											
Diesel oil ¹	tonne	2,456	2,241	2,286	2,325	2,344	2,331	2,320	2,283	2,306	2,267
Electricity	GWh	28.2	25.8	20.5	23.8	22.5	25.0	25.4	26.7	21.8	25.5
6. Other											
LPG	tonne	-	-	-	-	-	-	258	270	285	292
Electricity	GWh	41.4	40.0	38.9	37.6	39.1	35.3	36.1	36.6	38.5	45.7

¹ Estimates

Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 2007 - 2016

ktoe

Sector	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Manufacturing	259.4	243.5	220.4	231.2	222.4	215.5	212.3	210.7	216.2	206.9
Fuel oil	53.5	48.3	41.4	39.8	38.7	37.4	37.6	38.9	35.7	35.3
Diesel oil	48.8	46.8	46.3	47.0	43.5	41.7	35.8	36.5	37.0	35.7
LPG	4.4	5.3	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.0
Coal	12.4	25.8	13.4	15.4	15.0	15.9	17.1	19.4	22.6	20.6
Fuelwood	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Electricity	75.6	78.5	77.1	80.3	79.9	79.9	82.8	81.2	82.7	83.4
Bagasse	64.1	38.3	36.3	42.6	39.1	34.1	32.7	28.5	31.6	25.4
2. Transport	415.6	410.6	394.9	421.6	435.3	427.3	438.8	454.1	463.1	505.6
Land	263.6	265.7	276.7	290.6	293.1	304.2	310.1	319.1	330.8	348.7
Gasolene	104.2	106.8	117.6	124.5	126.8	133.2	139.2	148.2	159.4	174.7
Diesel oil	152.2	153.4	154.2	161.1	161.5	166.3	166.5	166.8	168.0	170.2
LPG	7.2	5.6	5.0	5.0	4.9	4.7	4.4	4.0	3.4	3.8
Air: Jet Fuel	143.6	136.9	110.5	123.3	134.3	115.0	120.7	126.8	124.3	147.6
Sea	8.4	8.0	7.7	7.7	7.8	8.0	8.0	8.2	8.0	9.3
Fuel Oil	4.7	4.2	3.6	3.4	3.4	3.5	3.4	3.5	3.1	3.9
Gasolene	2.7	2.7	3.0	3.2	3.3	3.4	3.4	3.5	3.7	4.2
Diesel oil	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
3. Commercial and Distributive Trade	65.2	69.1	72.3	76.4	80.7	83.7	88.1	92.5	95.5	97.6
LPG	11.8	10.9	11.4	11.8	12.2	12.9	14.3	15.2	16.3	17.4
Charcoal	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3
Electricity	53.1	57.8	60.5	64.3	68.1	70.4	73.4	77.0	78.9	79.9
4. Household	108.8	110.1	113.1	116.9	117.4	120.1	123.4	126.5	129.9	132.2
Kerosene	1.3	1.8	1.5	1.8	0.5	0.3	0.2	0.2	0.1	0.1
LPG	45.5	45.8	46.7	47.6	48.2	49.0	50.1	51.4	53.0	53.4
Fuelwood	6.6	6.4	6.3	6.3	6.2	6.1	5.9	5.5	5.2	5.2
Charcoal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	55.3	56.1	58.5	61.1	62.4	64.7	67.1	69.3	71.5	73.5
5. Agriculture	4.9	4.5	4.1	4.4	4.3	4.5	4.5	4.6	4.2	4.5
Diesel oil	2.5	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.3
Electricity	2.4	2.2	1.8	2.0	1.9	2.1	2.2	2.3	1.9	2.2
6. Other (n.e.s) and losses	3.6	3.8	3.8	3.5	3.0	3.4	3.5	3.4	3.9	4.3
Total	857.5	841.6	808.6	854.0	863.0	854.4	870.6	891.9	912.9	951.07

Table 4.5 - Percentage share of final energy consumption in ktoe by sector and type of fuel, 2007 - 2016

%

Sector	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
1. Manufacturing	30.2	28.9	27.3	27.1	25.8	25.2	24.4	23.6	23.7	21.8
Fuel oil	6.2	5.7	5.1	4.7	4.5	4.4	4.3	4.4	3.9	3.7
Diesel oil	5.7	5.6	5.7	5.5	5.0	4.9	4.1	4.1	4.0	3.7
LPG	0.5	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.6
Coal	1.4	3.1	1.7	1.8	1.7	1.9	2.0	2.2	2.5	2.2
Fuelwood	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	8.8	9.3	9.5	9.4	9.3	9.4	9.5	9.1	9.1	8.8
Bagasse	7.5	4.5	4.5	5.0	4.5	4.0	3.8	3.2	3.5	2.7
2. Transport	48.5	48.8	48.8	49.4	50.4	50.0	50.4	50.9	50.7	53.2
Land	30.7	31.6	34.2	34.0	34.0	35.6	35.6	35.8	36.2	36.7
Gasolene	12.1	12.7	14.5	14.6	14.7	15.6	16.0	16.6	17.5	18.4
Diesel oil	17.8	18.2	19.1	18.9	18.7	19.5	19.1	18.7	18.4	17.9
LPG	0.8	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4
Air: Jet Fuel	16.7	16.3	13.7	14.4	15.6	13.5	13.9	14.2	13.6	15.5
Sea	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0
Fuel Oil	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4
Gasolene	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5
Diesel oil	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	7.6	8.2	8.9	9.0	9.3	9.8	10.1	10.4	10.5	10.2
LPG	1.4	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.8	1.8
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	6.2	6.9	7.5	7.5	7.9	8.2	8.4	8.6	8.6	8.4
4. Household	12.7	13.1	14.0	13.7	13.6	14.1	14.2	14.2	14.2	13.9
Kerosene	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
LPG	5.3	5.4	5.8	5.6	5.6	5.7	5.8	5.8	5.8	5.6
Fuelwood	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.5
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	6.4	6.7	7.2	7.2	7.2	7.6	7.7	7.8	7.8	7.8
5. Agriculture	0.6	0.5	0.5	0.5	0.5	0.5	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
Electricity	0.3	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2
6. Other (n.e.s) and losses	0.4	0.5	0.5	0.4	0.3	0.4	0.4	0.4	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

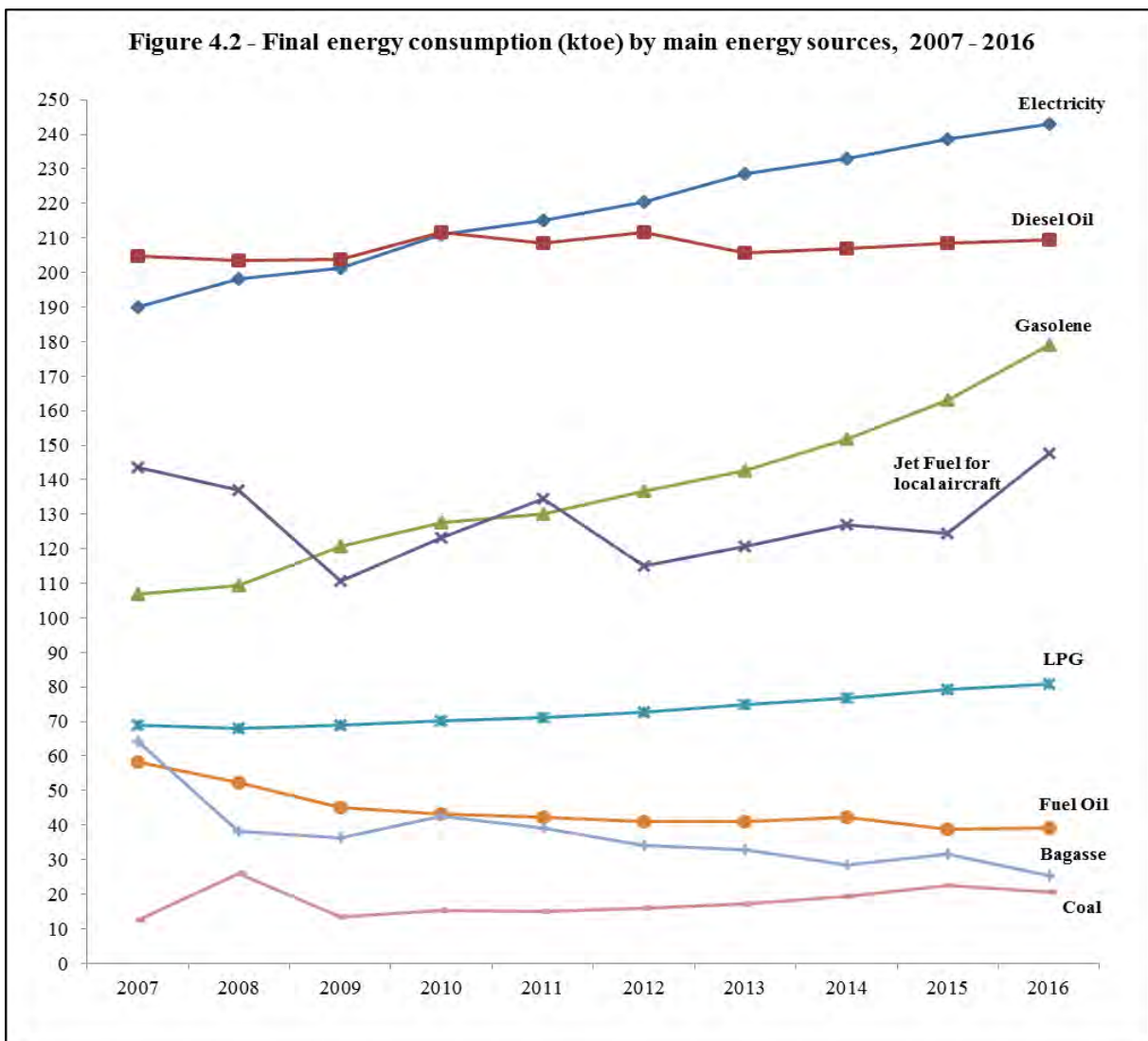


Figure 4.3 - Percentage share of energy sources in the Final Energy Consumption (ktoe) - 2007 and 2016

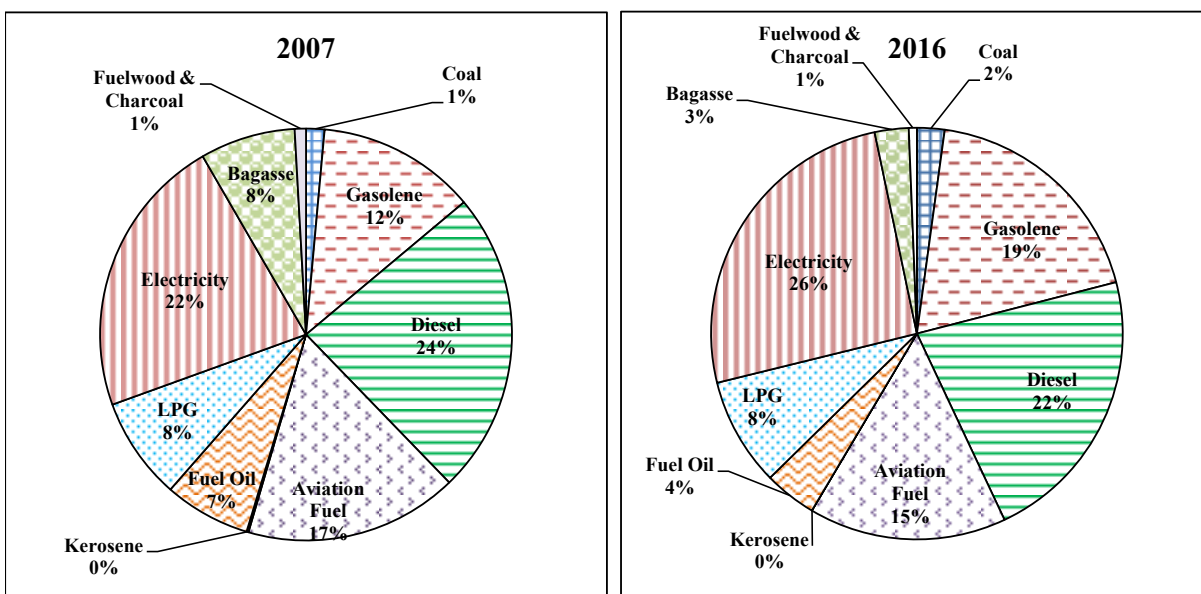
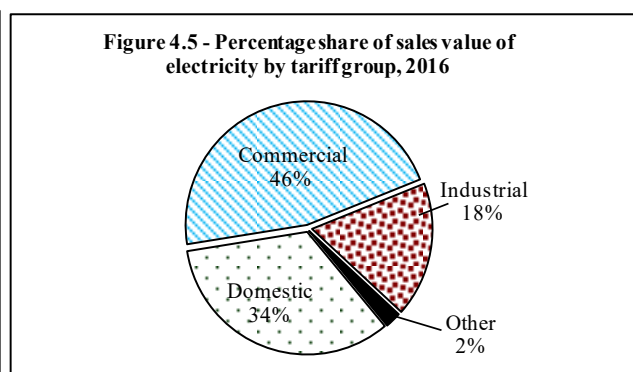
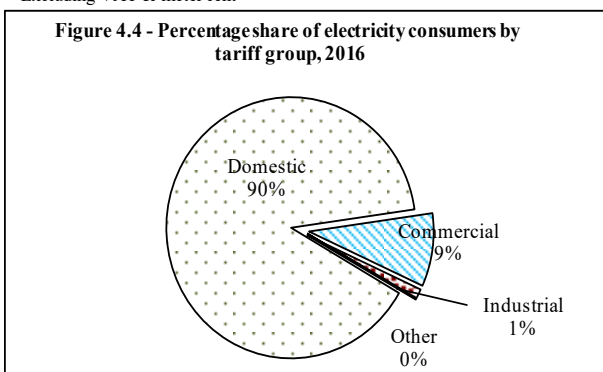


Table 4.7 - Sales of electricity by tariff group, 2007 - 2016, Republic of Mauritius

Tariff group	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Number of consumers										
Domestic	343,142	350,627	358,359	364,474	372,315	381,096	388,910	396,335	404,463	413,068
Commercial	34,388	35,721	36,151	36,956	37,685	38,539	39,199	40,089	41,124	41,879
Industrial	7,435	7,295	7,143	7,008	6,818	6,763	6,703	6,593	6,381	6,352
Other	356	369	403	429	465	507	550	610	637	654
Total	385,321	394,012	402,056	408,867	417,283	426,905	435,362	443,627	452,605	461,953
GWh sold										
Domestic	643.0	652.2	680.1	710.7	725.3	753.0	780.8	806.3	831.0	854.5
Commercial	617.9	672.7	704.2	748.0	792.6	818.7	852.0	894.1	915.8	927.8
Industrial	673.0	688.7	646.1	677.6	679.4	687.4	715.2	715.2	720.1	735.8
Other	41.4	40.0	38.9	37.6	30.9	35.3	36.1	36.6	38.5	40.5
Total	1,975.3	2,053.7	2,069.2	2,173.9	2,228.2	2,294.4	2,384.1	2,452.2	2,505.4	2,558.6
Value sold (Rs.mn)										
Domestic	2,463.6	3,145.5	3,451.6	3,730.3	4,066.7	4,298.5	4,467.3	4,640.2	4,797.8	4,924.2
Commercial	3,109.5	4,439.4	4,827.8	5,269.3	5,862.4	6,092.9	6,286.3	6,569.7	6,723.3	6,812.3
Industrial	1,691.6	2,203.6	2,109.1	2,271.0	2,392.1	2,450.5	2,532.8	2,545.2	2,555.2	2,605.8
Other	216.8	275.0	275.6	274.3	240.1	269.6	239.0	285.0	297.5	308.0
Total	7,481.5	10,063.5	10,664.1	11,544.9	12,561.3	13,111.5	13,525.4	14,040.1	14,373.9	14,650.3
Average sales price* (Rs./kWh)										
Domestic	3.83	4.82	5.07	5.25	5.61	5.71	5.72	5.76	5.77	5.76
Commercial	5.03	6.60	6.86	7.04	7.40	7.44	7.38	7.35	7.34	7.34
Industrial	2.51	3.20	3.26	3.35	3.52	3.56	3.54	3.56	3.55	3.54
Other	5.24	6.87	7.09	7.29	7.77	7.64	6.62	7.78	7.74	7.60
Total	3.79	4.90	5.15	5.31	5.64	5.71	5.67	5.73	5.74	5.73
Average no. of units per consumer (kWh)										
Domestic	1,874	1,860	1,898	1,950	1,948	1,976	2,008	2,034	2,055	2,069
Commercial	17,970	18,832	19,479	20,239	21,033	21,244	21,736	22,303	22,269	22,155
Industrial	90,514	94,414	90,445	96,692	99,654	101,641	106,701	108,474	112,858	115,842
Other	116,273	108,498	96,429	87,671	66,469	69,563	65,692	60,067	60,380	61,926
Total	5,126	5,212	5,147	5,317	5,340	5,374	5,476	5,528	5,536	5,539

Source: Central Electricity Board

* Excluding VAT & meter rent



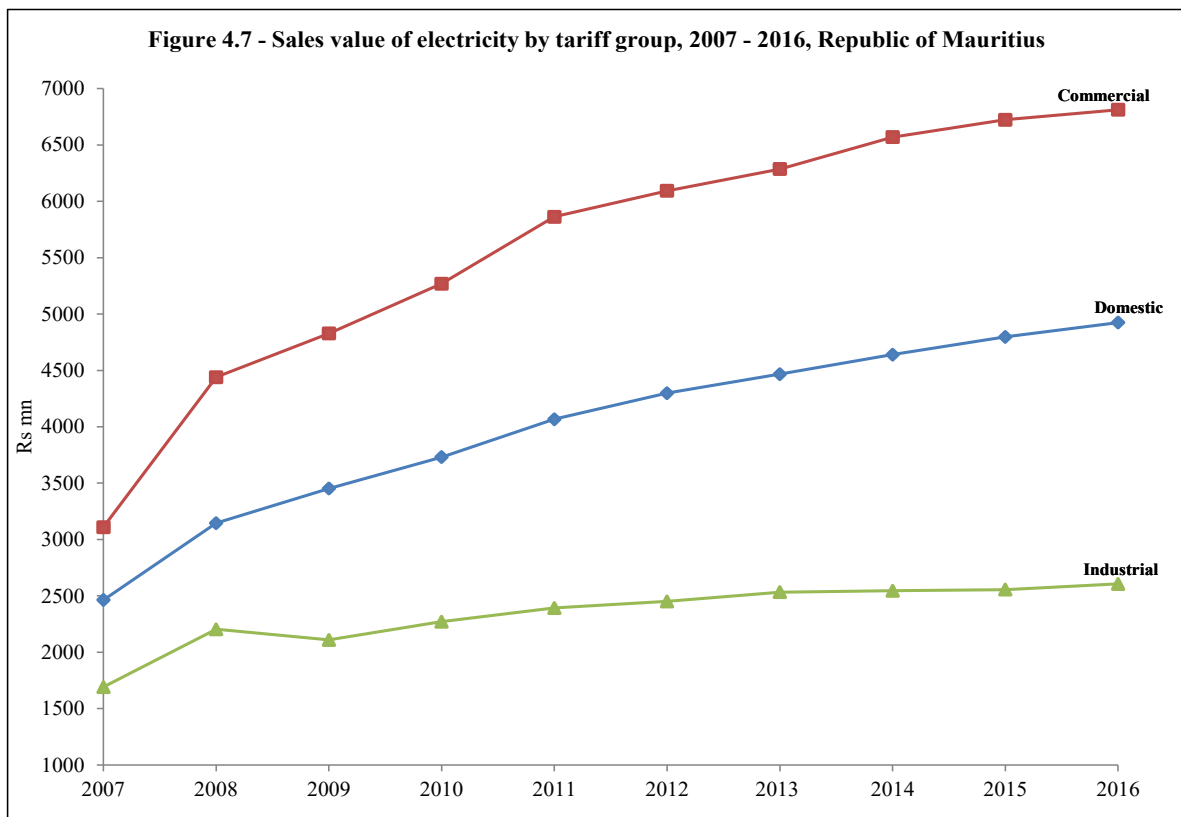
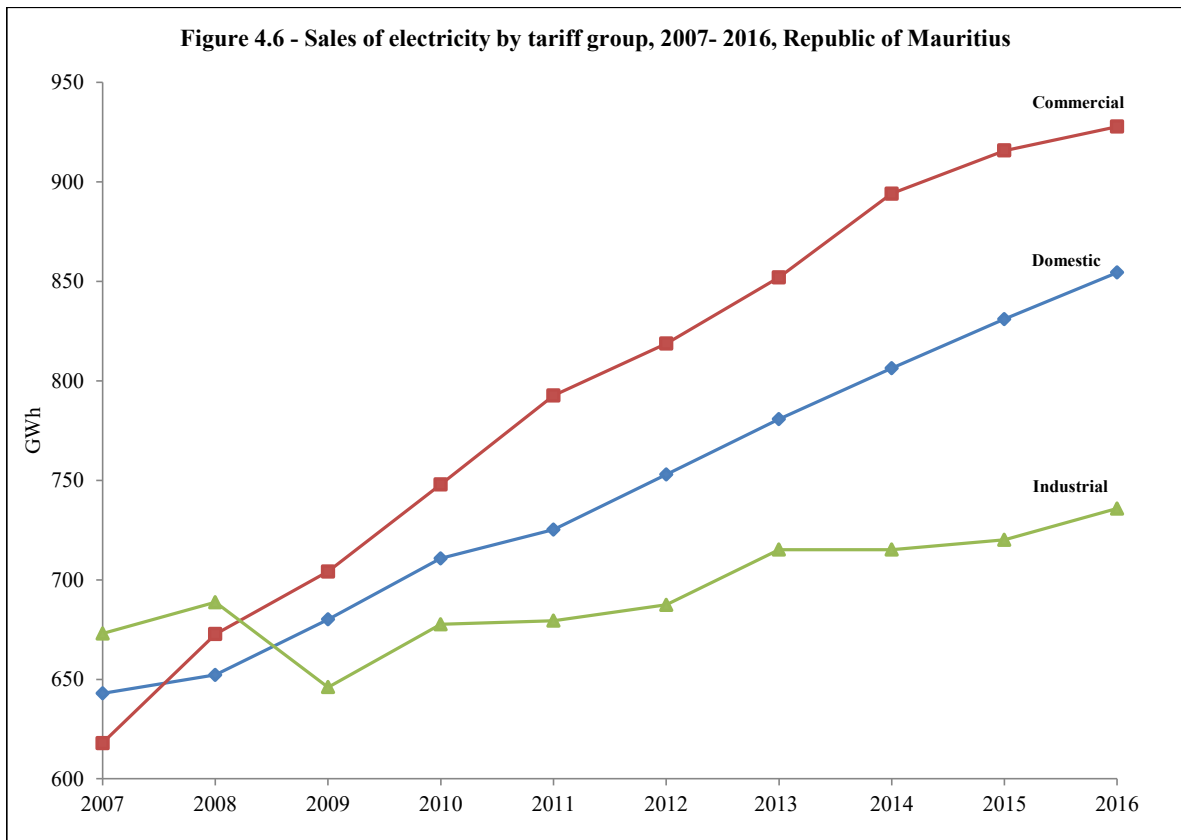


Table 4.8 - Sales of electricity by tariff group, 2007 - 2016, Island of Mauritius

Tariff group	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Number of consumers										
Domestic	332,900	340,217	347,757	353,689	361,231	369,707	377,238	384,281	392,240	400,486
Commercial	33,309	34,630	35,051	35,813	36,476	37,282	37,927	38,777	39,780	40,461
Industrial	7,245	7,096	6,932	6,777	6,586	6,517	6,443	6,312	6,100	6,062
<i>General</i>	6,782	6,631	6,454	6,284	6,082	5,992	5,890	5,733	5,502	5,451
<i>Irrigation</i>	463	465	478	493	504	525	553	579	598	611
Other	349	362	396	422	458	499	541	601	629	647
Total	373,803	382,305	390,136	396,701	404,751	414,005	422,149	429,971	438,749	447,656
GWh sold										
Domestic	628.4	637.5	665.3	695.3	709.7	737.0	764.0	788.8	812.7	835.3
Commercial	610.1	664.5	695.7	739.6	784.0	809.7	842.5	884.1	905.7	917.4
Industrial	671.2	687.0	643.9	675.6	677.4	685.4	713.0	712.7	716.6	732.2
<i>General</i>	643.0	661.1	623.5	651.8	654.9	660.5	687.6	686.1	694.8	706.7
<i>Irrigation</i>	28.2	25.8	20.4	23.8	22.5	24.9	25.4	26.6	21.8	25.5
Other	40.8	39.4	38.2	36.9	30.2	34.6	35.5	36.0	37.8	39.8
<i>Street Lighting</i>	33.1	34.0	33.3	30.9	24.4	24.8	25.6	27.6	28.3	28.7
<i>Temporary</i>	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2
<i>Miscellaneous</i>	7.4	5.2	4.7	5.8	5.6	9.6	9.6	8.1	9.2	10.9
Total	1,950.5	2,028.4	2,043.1	2,147.5	2,201.4	2,266.8	2,354.9	2,421.6	2,472.7	2,524.8
Value sold (Rs.mn)										
Domestic	2,412.2	3,080.6	3,383.0	3,656.3	3,986.9	4,215.7	4,380.2	4,549.3	4,701.5	4,826.1
Commercial	3,062.7	4,375.0	4,757.8	5,198.9	5,785.4	6,011.4	6,200.9	6,480.5	6,632.8	6,718.3
Industrial	1,685.7	2,195.9	2,100.1	2,262.1	2,382.7	2,441.0	2,522.4	2,533.6	2,540.1	2,590.4
<i>General</i>	1,629.9	2,130.9	2,047.9	2,197.9	2,319.8	2,370.2	2,450.5	2,458.5	2,479.2	2,519.1
<i>Irrigation</i>	55.8	64.9	52.2	64.1	62.8	70.9	71.9	75.1	60.9	71.3
Other	213.6	270.4	270.9	269.4	234.9	264.4	233.9	279.9	292.2	302.7
Total	7,374.3	9,921.9	10,511.8	11,386.7	12,389.8	12,932.5	13,337.4	13,843.3	14,166.6	14,437.6
Average sales price* (Rs./kWh)										
Domestic	3.84	4.83	5.08	5.26	5.62	5.72	5.73	5.77	5.79	5.78
Commercial	5.02	6.58	6.84	7.03	7.38	7.42	7.36	7.33	7.32	7.32
Industrial	2.51	3.20	3.26	3.35	3.52	3.56	3.54	3.55	3.54	3.54
<i>General</i>	2.53	3.22	3.28	3.37	3.54	3.59	3.56	3.58	3.57	3.56
<i>Irrigation</i>	1.98	2.52	2.55	2.69	2.79	2.84	2.84	2.82	2.79	2.80
Other	5.23	6.87	7.09	7.29	7.77	7.64	6.59	7.78	7.73	7.60
All tariff	3.78	4.89	5.14	5.30	5.63	5.71	5.66	5.72	5.73	5.72
Average no. of units per consumer (kWh)										
Domestic	1,888	1,874	1,913	1,966	1,964	1,993	2,025	2,053	2,072	2,086
Commercial	18,317	19,189	19,847	20,651	21,497	21,719	22,213	22,799	22,767	22,674
Industrial	92,644	96,808	92,893	99,694	102,855	105,179	110,661	112,911	117,480	120,786
<i>General</i>	94,815	99,705	96,604	103,726	107,679	110,233	116,746	119,672	126,286	129,645
<i>Irrigation</i>	60,843	55,497	42,777	48,305	44,631	47,488	45,849	45,970	36,457	41,753
Other (Street Lightening)	94,979	93,867	84,099	73,227	53,187	49,620	47,410	45,904	44,977	44,318
All consumers	5,218	5,306	5,237	5,413	5,439	5,475	5,578	5,632	5,636	5,640

Source: Central Electricity Board

* Excluding VAT & meter rent

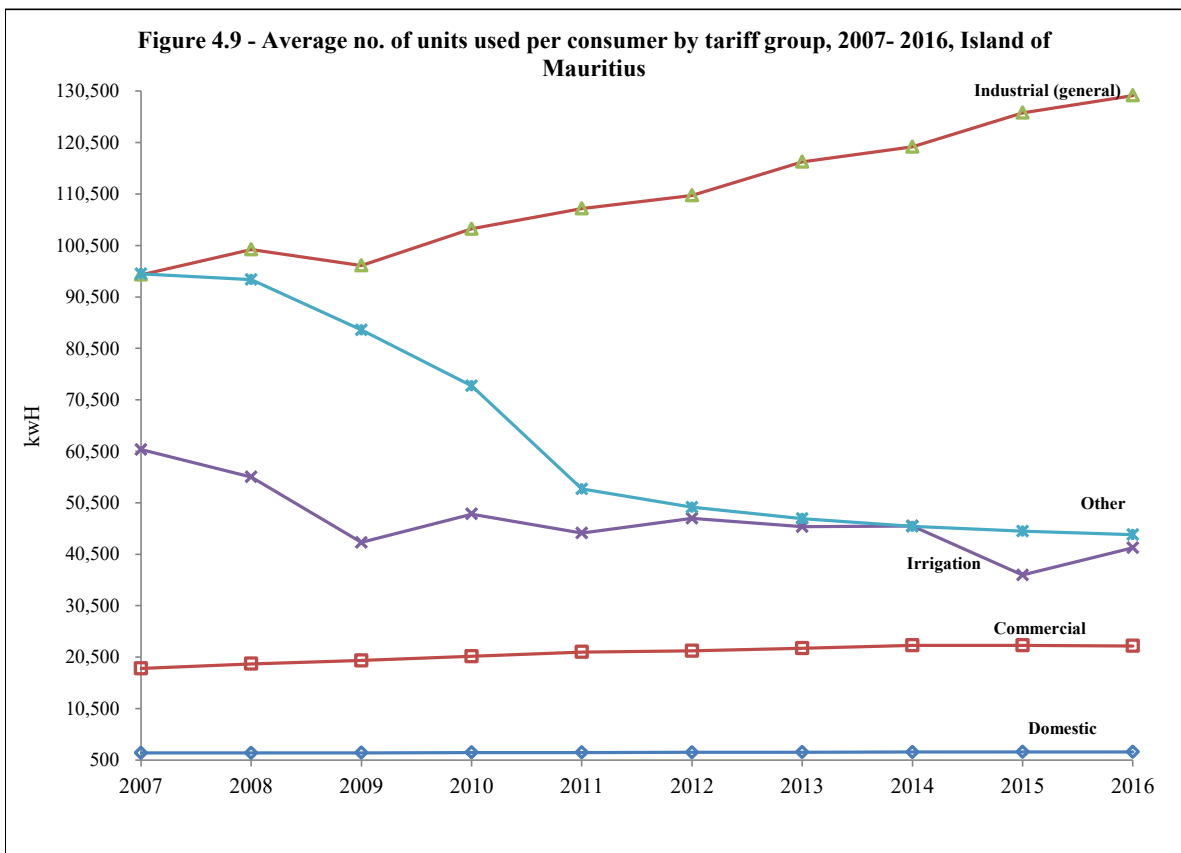
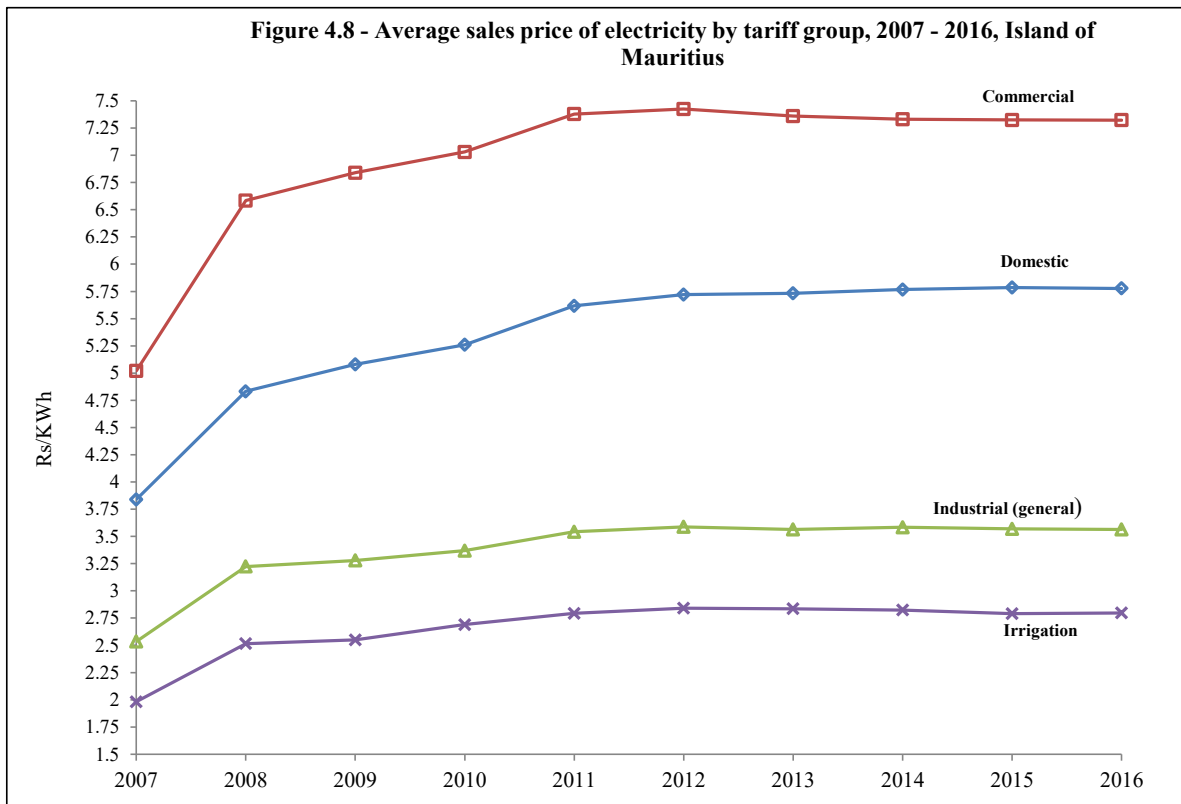
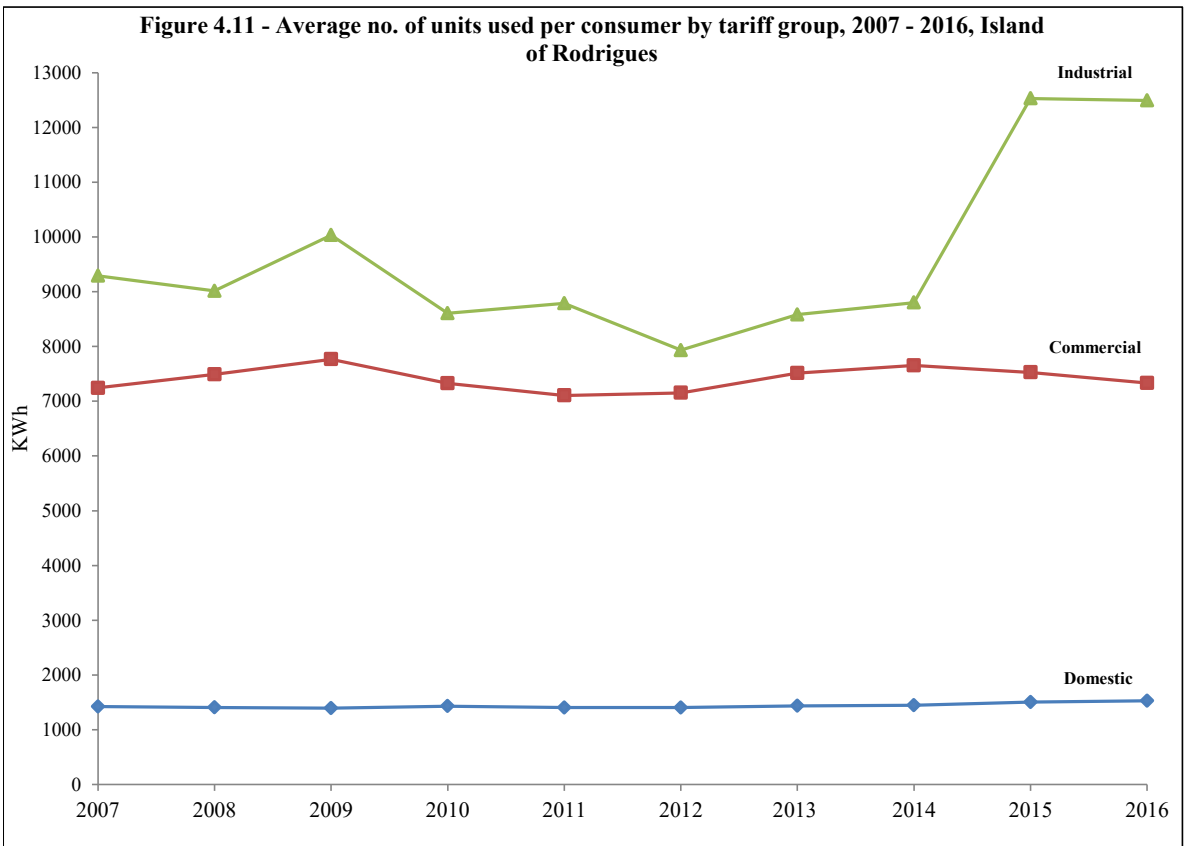
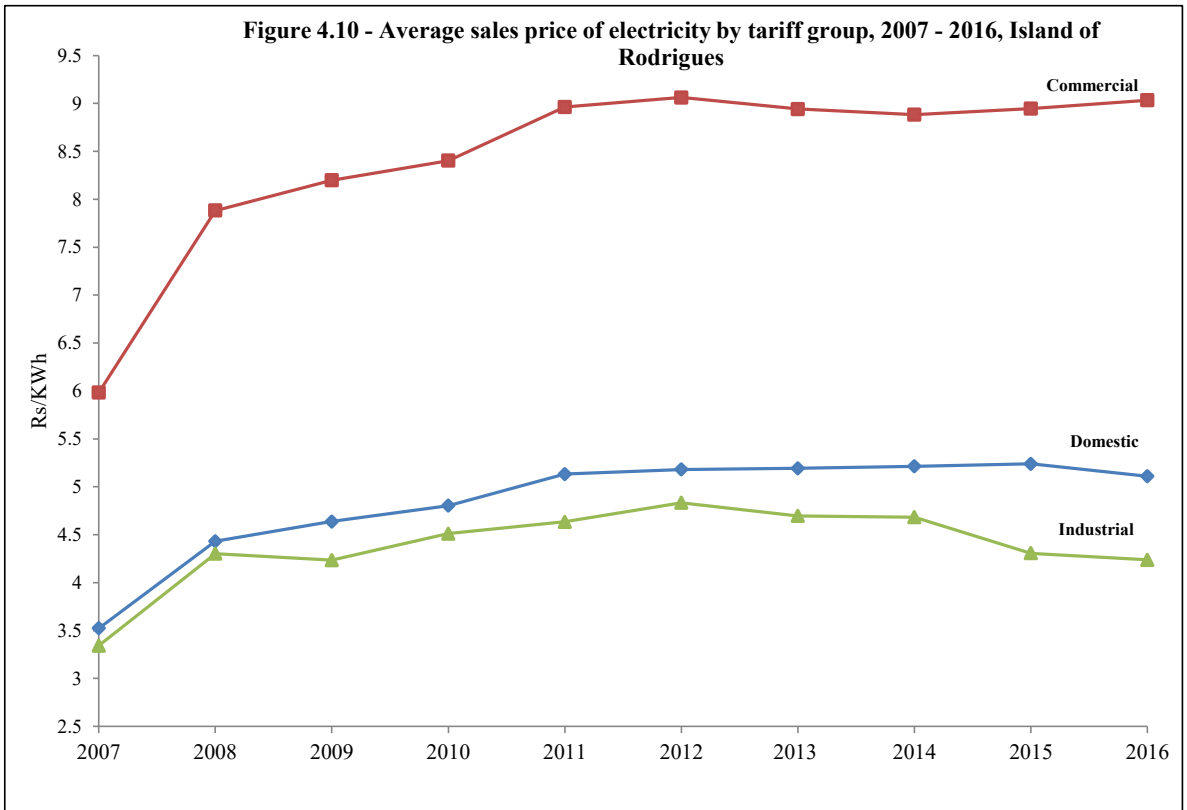


Table 4.9 - Sales of electricity by tariff group, 2007 - 2016, Island of Rodrigues

Tariff group	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Number of consumers										
Domestic	10,242	10,410	10,602	10,785	11,084	11,389	11,672	12,054	12,223	12,582
Commercial	1,079	1,091	1,100	1,143	1,209	1,257	1,272	1,312	1,344	1,418
Industrial	190	199	211	231	232	246	260	281	281	290
Other	7	7	7	7	7	8	9	9	8	7
Total	11,518	11,707	11,920	12,166	12,532	12,900	13,213	13,656	13,856	14,297
GWh sold										
Domestic	14.6	14.6	14.8	15.4	15.5	16.0	16.8	17.4	18.4	19.2
Commercial	7.8	8.2	8.5	8.4	8.6	9.0	9.6	10.0	10.1	10.4
Industrial	1.8	1.8	2.1	2.0	2.0	2.0	2.2	2.5	3.5	3.6
Other	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Total	24.7	25.3	26.1	26.4	26.9	27.6	29.2	30.6	32.7	33.9
Value sold (Rs mn)										
Domestic	51.3	64.9	68.6	74.0	79.8	82.8	87.0	90.9	96.3	98.0
Commercial	46.8	64.4	70.0	70.4	77.0	81.5	85.4	89.2	90.5	93.9
Industrial	5.9	7.7	9.0	9.0	9.4	9.4	10.5	11.6	15.2	15.4
Other	3.2	4.6	4.7	4.9	5.2	5.2	5.1	5.2	5.3	5.4
Total	107.2	141.6	152.3	158.2	171.5	178.9	188.0	196.8	207.3	212.7
Average sales price* (Rs/kWh)										
Domestic	3.52	4.43	4.64	4.80	5.13	5.18	5.19	5.21	5.24	5.11
Commercial	5.98	7.88	8.20	8.40	8.96	9.06	8.94	8.88	8.95	9.03
Industrial	3.34	4.30	4.23	4.51	4.63	4.83	4.70	4.68	4.31	4.24
Other	5.37	6.96	7.05	7.29	7.68	7.82	7.82	7.84	7.84	7.85
Average	4.33	5.61	5.83	5.98	6.39	6.49	6.44	6.43	6.34	6.28
Average no. of units per consumer (kWh)										
Domestic	1,422	1,406	1,395	1,429	1,403	1,403	1,436	1,446	1,504	1,525
Commercial	7,243	7,492	7,766	7,327	7,108	7,152	7,513	7,653	7,528	7,334
Industrial	9,292	9,016	10,036	8,608	8,788	7,933	8,583	8,801	12,533	12,496
Other	84,841	94,382	95,355	95,987	96,923	83,593	72,999	73,007	84,323	97,447
Average	2,148	2,158	2,191	2,174	2,143	2,139	2,211	2,241	2,360	2,371

Source: Central Electricity Board

* Excluding VAT & meter rent





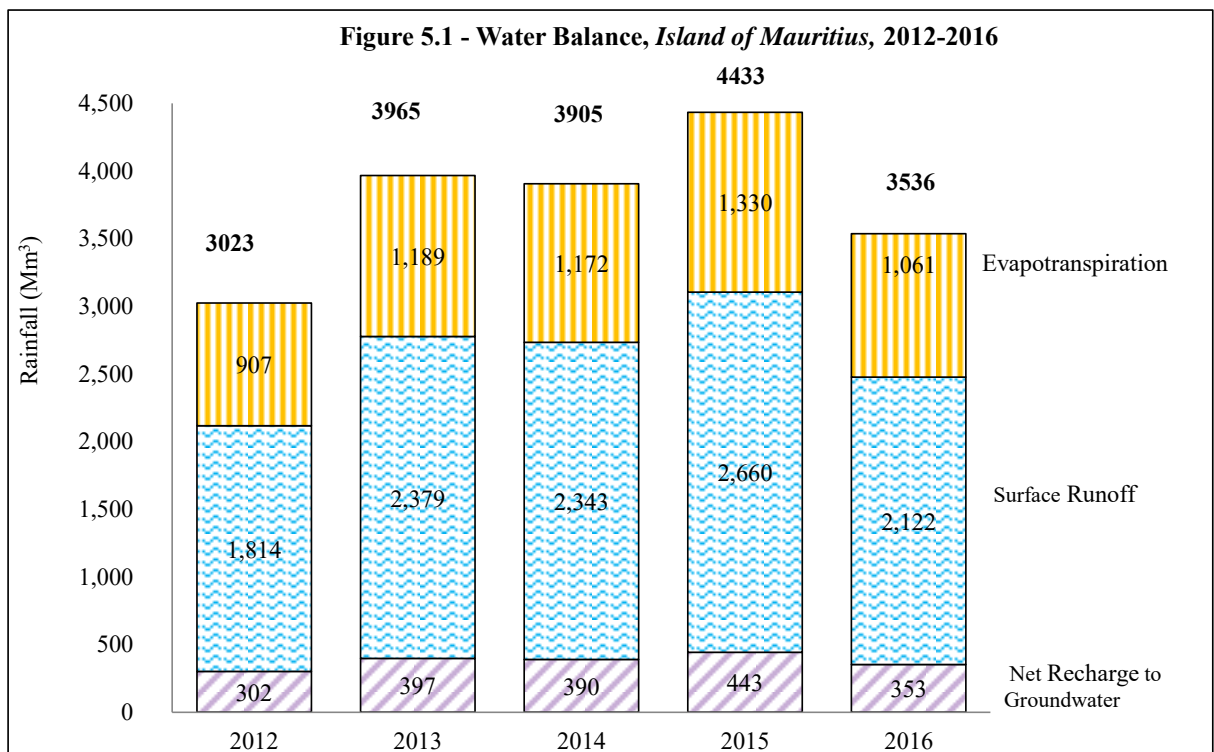
Section V
Water Statistics

Table 5.1 - Main water indicators¹, 2012 - 2016

Details	Unit	2012	2013	2014	2015	2016
Mid-year population, Island of Mauritius	Thousand	1,215	1,217	1,219	1220 ²	1221 ²
Mean annual rainfall						
<i>Island of Mauritius</i>	Millimetres	1,621	2,126	2,094	2,377	1,896
<i>Island of Rodrigues Pte Canon</i>	Millimetres	1,041	978	1,145	1,272	839
<i>Plaine Corail</i>	Millimetres	853	871	1,143	1,338	707
Potable water : Island of Mauritius						
- Produced	Mm ³	215	217	229	245	247
- Consumed	Mm ³	95	96	97	98	100
Potable water produced per capita per day	litres	484	487	514	549	555
Potable water consumed per capita per day	litres	214	216	218	220	225
Consumption per capita per day for 'Domestic' tariffs	litres	164	165	167	168	171
Average price per m ³	Rs/m ³	11.90	12.12	12.21	12.24	12.24

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

² Revised



Data Source : Water Resources Unit, Ministry of Energy and Public Utilities

Table 5.2 - Water utilisation by source, 2014 - 2016, Island of Mauritius
Mm³

Utilisation	2014				2015				2016			
	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 & tourism	35	80	119	234	35	87	133	255	36 ¹	88	133	257
Industrial	5	2	6	13	5	2	7	14	3	2 ²	7	12
Agricultural	308	59	6	373	270	68	5	343	276	68 ³	7	351 ⁶
Hydropower	150	125	0	275	183	178	0	361	161 ⁴	180 ⁵	0	341
Overall Utilisation	498	266	131	895	493	335	145	973	476	338	147	961
Total Water Mobilisation	469	213	131	813	442	274	145	861	444	277	147	868

¹ Used also for Reduit hydropower station

³ Used also for Tamarind Falls, Magenta and La Ferme hydropower stations

⁵ used also twice for Tamarind Falls and Magenta hydropower stations

² Used by IPP (formerly accounted in agricultural purpose)

⁴ used also twice for Le Val & Ferney hydropower stations

⁶ Exclude 6 Mm³ re-use of treated waste water (Non Conventional)

Table 5.3 - Fresh water abstractions by sector, 2007 - 2016, Island of Mauritius
Mm³

Sector	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Gross fresh surface water abstraction	518	497	511	513	449	460	487	489	467	473
<i>Water supply industry (Central Water Authority)</i>	102	107	112	110	94	97	112	115	122	124
<i>Manufacturing</i>	5	5	5	5	5	5	7	7	7	5
<i>Agriculture, forestry and fishing</i>	411	385	394	398	350	358	368	367	338	344
Gross ground water abstraction	112	119	121	124	122	122	121	131	145	147
<i>Water supply industry (Central Water Authority)</i>	99	107	111	113	111	109	108	119	133	133
<i>Manufacturing</i>	6	6	5	5	5	6	6	6	7	7
<i>Agriculture, forestry and fishing</i>	7	6	5	6	6	7	7	6	5	7
Total	630	616	632	637	571	582	608	620	612	620

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Table 5.4 - 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	Domestic, Hydro-power & Irrigation	Domestic, Irrigation & Industrial	Domestic	Sugar Mill & Irrigation	Irrigation	Hydro-power & Irrigation		

Source : Water Resources Unit, Ministry of Energy and Public Utilities (Table 5.2, 5.3 & 5.4)

Note: Mare longue is also used for Domestic since 2011

Table 5.5 - Mean rainfall, 2012 - 2016, Island of Mauritius

		<i>Millimetres</i>																				
Period	Long Term Mean (1981-2010)	2012		2013		2014		2015		2016		Long Term Mean (1981-2010)	2012		2013		2014		2015		2016	
		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										
	1,294	963	74	1,262	98	1,264	98	1,386	107	1,053	81	2,572	1,996	78	2,668	104	2,607	101	2,958	115	2,284	89
Jan	177	72	41	159	90	242	137	266	150	104	59	306	81	26	329	108	513	168	496	162	240	78
Feb	245	110	45	463	189	127	52	161	66	378	154	393	268	68	488	124	237	60	308	78	410	104
Mar	190	259	136	151	80	175	92	244	128	91	48	326	394	121	519	159	333	102	525	161	187	57
Apr	137	132	97	86	63	165	120	69	50	114	83	279	306	110	274	98	371	133	141	51	346	124
May	89	95	107	38	42	103	116	134	151	39	44	197	207	105	70	35	146	74	211	107	185	94
Jun	63	44	70	33	52	19	30	142	225	55	87	153	80	52	101	66	94	62	271	177	149	97
Jul	71	58	82	11	15	23	33	64	90	70	99	181	151	84	115	63	153	84	215	119	248	137
Aug	59	46	78	49	82	58	97	46	78	53	90	153	94	62	139	91	121	79	207	135	191	125
Sep	57	18	31	13	23	22	39	23	40	16	28	136	80	59	52	38	64	47	63	46	68	50
Oct	42	16	39	91	217	50	119	94	224	20	48	107	71	67	170	159	90	84	181	169	65	61
Nov	45	34	76	123	273	49	109	62	138	38	84	114	96	84	244	213	134	117	132	115	80	70
Dec	119	79	66	46	39	230	193	81	68	75	63	227	168	74	167	74	351	155	208	92	115	51
Year		East										West										
	2,568	2,289	89	2,716	106	2,758	107	2,959	115	2,584	101	912	631	69	971	106	906	99	1,242	136	662	73
Jan	309	130	42	337	109	524	170	602	195	241	78	186	57	31	88	47	306	165	306	165	97	52
Feb	427	259	61	680	159	250	59	330	77	557	130	219	106	49	245	112	101	46	155	71	282	129
Mar	338	468	138	367	109	376	111	455	135	218	64	138	161	117	192	139	96	70	286	207	38	28
Apr	280	347	124	307	110	294	105	181	65	318	114	85	103	121	54	64	90	106	77	91	81	95
May	207	280	135	67	33	151	73	235	114	157	76	40	79	197	9	23	26	65	34	85	10	25
Jun	143	132	92	99	69	88	61	299	209	182	127	25	7	26	4	15	2	10	66	264	9	36
Jul	164	153	93	94	57	188	114	196	120	255	155	23	7	28	1	3	10	41	27	117	6	26
Aug	138	148	107	159	115	173	125	207	150	163	118	17	4	25	37	216	51	301	39	229	41	241
Sep	130	76	59	49	38	74	57	48	37	58	45	27	3	10	1	4	11	40	20	74	2	7
Oct	101	47	47	192	190	92	91	200	198	59	58	22	4	20	45	206	11	51	62	282	19	86
Nov	107	79	74	248	232	107	100	85	79	88	82	30	55	183	259	863	13	43	60	200	5	17
Dec	224	171	76	117	52	442	197	121	54	288	129	100	45	45	35	35	189	189	110	110	72	72

Source: Mauritius Meteorological Services

Table 5.5 - Mean rainfall, 2012 - 2016, Island of Mauritius (cont'd)

Millimetres

Period	Long Term Mean (1981-2010)	2012		2013		2014		2015		2016	
		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
Centre											
Year	2,568	2,158	84	2,898	113	2,833	110	3,238	126	2,801	109
Jan	333	102	31	357	107	510	153	606	182	246	74
Feb	446	294	66	545	122	203	46	390	87	576	129
Mar	315	420	133	515	163	355	113	481	153	222	70
Apr	268	346	129	335	125	292	109	200	75	350	131
May	196	270	138	80	41	192	98	200	102	226	115
Jun	141	124	88	131	93	96	68	300	213	254	180
Jul	173	128	74	100	58	247	143	231	134	301	174
Aug	151	116	77	161	106	178	118	208	138	193	128
Sep	124	88	71	66	53	95	76	72	58	94	76
Oct	107	65	61	182	170	74	69	215	201	82	77
Nov	92	75	82	299	325	130	141	133	145	101	110
Dec	222	130	59	128	58	462	208	202	91	156	70
Whole Island											
Year	2,003	1,621	81	2,126	106	2,094	105	2,377	119	1,896	95
Jan	263	88	33	258	98	419	159	455	173	185	70
Feb	348	210	60	486	140	184	53	271	78	442	127
Mar	263	343	130	355	135	270	103	400	152	153	58
Apr	212	249	117	214	101	247	117	134	63	245	116
May	148	187	126	54	37	127	86	165	111	127	86
Jun	107	78	72	75	70	61	57	218	204	133	124
Jul	125	101	81	65	52	126	101	150	120	180	144
Aug	106	82	78	110	104	116	110	143	135	130	123
Sep	96	54	56	37	39	54	56	46	48	49	51
Oct	77	42	55	138	179	64	84	152	197	50	65
Nov	78	68	87	233	299	89	114	96	123	64	82
Dec	180	120	67	101	56	336	187	147	82	138	77

Source: Mauritius Meteorological Services

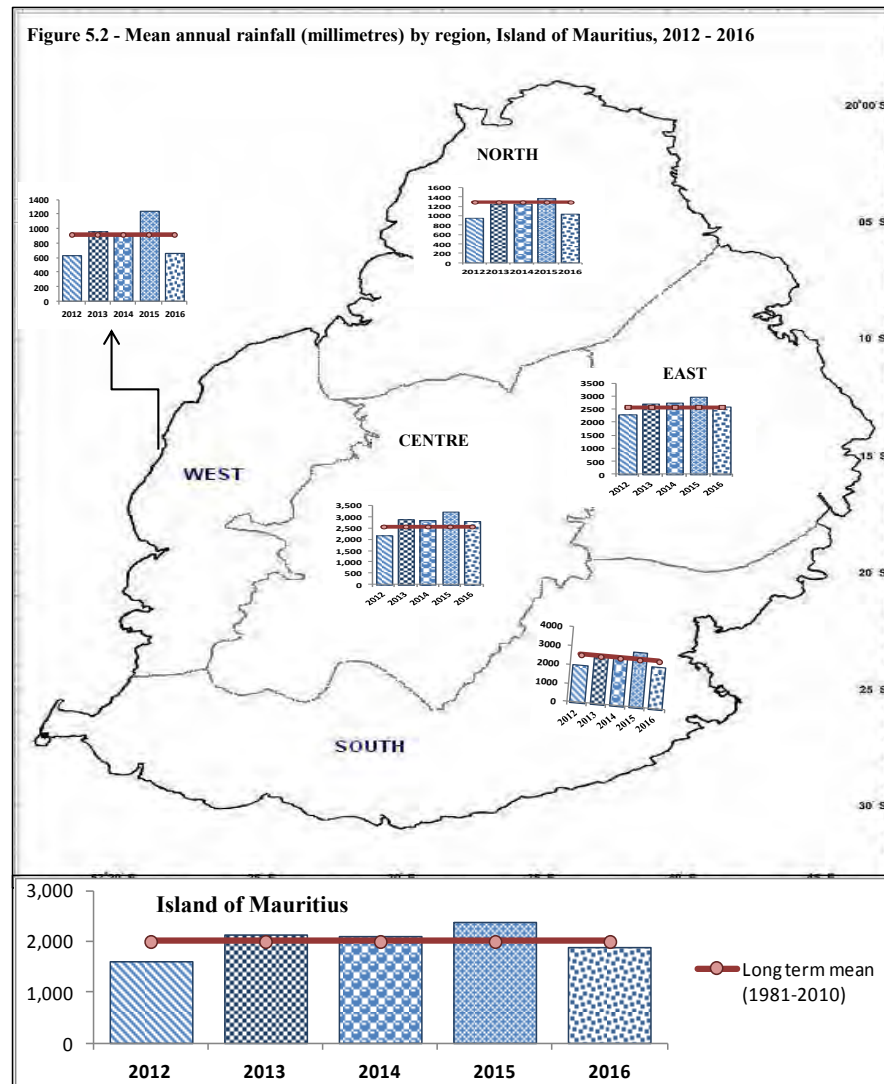


Table 5.6- Mean rainfall, 2012 - 2016, Island of Rodrigues

Millimetres

Period	Long Term Mean (1981-2010)	2012		2013		2014		2015		2016		Long Term Mean (1981-2010)	2012		2013		2014		2015		2016	
		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	1,273	1,122	88	1,051	83	1,329	104	1,385	109	916	72	1,006	853	85	871	87	1,143	114	1,338	133	707	70
Jan	173	188	109	60	35	9	5	312	181	70	41	133	138	104	67	50	55	42	333	250	58	44
Feb	179	228	128	252	141	98	55	35	20	102	57	166	208	125	197	119	88	53	22	13	124	75
Mar	146	90	61	112	77	386	263	182	124	73	50	135	103	76	33	24	350	260	201	149	46	34
Apr	147	59	40	59	40	105	71	160	109	138	94	116	55	48	137	118	67	58	140	121	91	79
May	94	88	93	56	59	61	64	89	94	80	85	74	71	95	24	32	70	95	41	55	71	96
Jun	82	24	29	50	61	153	187	48	59	91	112	61	21	34	36	59	104	170	19	31	31	51
Jul	106	119	112	24	23	184	173	82	77	138	130	65	79	122	31	48	110	170	47	72	87	134
Aug	83	56	67	115	138	85	102	77	92	42	51	47	31	66	112	239	82	174	55	117	43	92
Sep	62	42	68	92	149	55	89	48	77	45	73	46	22	49	62	135	81	177	36	78	18	38
Oct	58	12	21	116	201	19	33	208	361	12	21	37	14	37	63	171	13	34	279	754	3	8
Nov	75	42	56	34	45	100	134	20	27	58	77	64	18	28	23	36	86	134	11	17	48	75
Dec	68	174	255	81	119	75	110	123	181	65	95	62	93	150	85	137	36	58	154	248	86	139
Year	1,098	832	76	716	65	760	69	1,025	93	429	39	1,469	899	61	1,519	103	1,056	72	1,061	72	522	36
Jan	156	92	59	28	18	4	3	397	254	33	21	180	130	72	70	39	15	8	305	169	43	24
Feb	193	330	171	123	64	40	21	9	5	73	38	214	168	79	405	190	76	36	17	8	88	41
Mar	147	139	95	17	12	230	157	132	90	88	60	157	119	76	107	68	321	204	127	81	99	63
Apr	133	47	35	163	123	40	30	124	93	44	33	186	55	30	329	177	59	32	95	51	83	45
May	79	51	64	48	60	50	63	42	53	39	49	111	61	55	22	20	61	55	44	39	90	81
Jun	68	14	21	23	34	117	171	27	39	32	48	97	22	23	48	50	108	111	31	32	0	0
Jul	71	42	59	20	28	62	87	17	24	36	51	108	127	117	56	52	105	97	27	25	0	0
Aug	56	26	46	100	179	70	124	13	23	11	20	93	48	51	189	203	89	95	49	52	0	0
Sep	47	14	30	55	117	27	57	14	30	0	0	73	29	40	82	113	48	66	26	36	0	0
Oct	41	7	17	67	164	5	12	153	376	2	6	69	0	0	101	146	23	33	241	348	7	10
Nov	51	2	4	19	37	90	176	6	11	30	59	97	9	9	20	21	68	69	13	13	67	69
Dec	55	70	128	53	97	26	48	92	168	41	74	83	131	157	90	108	85	102	85	102	45	53

Source: Mauritius Meteorological Services

Table 5.6 - Mean rainfall, 2012 - 2016, Island of Rodrigues (cont'd)

Millimetres

Period	Long Term Mean	2012		2013		2014		2015		2016		Long Term Mean	2012		2013		2014		2015		2016	
		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
	(1981-2010)	Solitude										(1981-2010)	Mourouk ¹									
Year	1,380	1,082	78	1,271	92	1,347	98	1,480	107	1,034	75	1,114	931	84								
Jan	155	130	84	80	52	58	38	391	252	65	42	162	86	53								
Feb	203	260	128	260	128	84	41	49	24	97	48	189	370	196								
Mar	160	105	66	118	74	351	220	207	130	107	67	157	125	79								
Apr	170	59	35	196	115	121	71	179	105	133	78	142	53	37								
May	104	97	93	47	45	88	84	100	95	119	114	79	54	68								
Jun	85	14	16	43	50	125	147	40	47	94	110	64	24	38								
Jul	109	115	106	9	8	196	181	77	71	136	125	70	66	95								
Aug	91	0	0	118	129	87	95	75	82	62	68	52	42	81								
Sep	74	39	53	101	137	40	55	37	49	57	77	50	24	48								
Oct	65	0	0	142	218	11	16	186	286	13	19	42	7	17								
Nov	88	50	57	71	81	97	110	35	40	86	98	54	7	13								
Dec	75	213	284	86	83	88	117	104	138	67	89	55	74	135								
	(1982-2010)	Citronelle										(1993-2010)	Baie Topaze									
Year	1,696	1,355	80	1,434	85	1,630	96	1,804	106	1,304	77	1,022	874	86	1,177	115	1,139	112	1,215	119	715	70
Jan	181	282	156	79	44	78	43	413	229	105	58	134	129	96	48	36	50	37	287	214	90	67
Feb	244	215	88	261	107	89	36	49	20	126	51	152	191	126	344	226	77	51	39	26	80	53
Mar	186	109	59	128	69	408	220	249	134	137	74	142	112	79	52	37	322	227	184	130	42	30
Apr	206	82	40	196	95	127	61	217	105	158	77	116	59	51	229	197	56	48	134	115	94	81
May	143	120	84	57	40	80	56	105	73	167	117	73	61	83	29	40	76	104	64	87	66	91
Jun	117	25	21	64	55	176	150	36	31	126	108	73	33	45	45	62	123	168	14	19	36	49
Jul	137	143	105	28	21	218	160	92	68	200	146	71	91	128	37	52	119	167	45	64	89	126
Aug	112	62	55	154	137	123	110	80	71	90	80	60	52	87	137	228	85	141	59	98	41	68
Sep	97	50	52	132	137	54	56	42	44	41	42	45	30	67	62	137	58	128	49	108	34	76
Oct	83	21	25	179	215	36	43	317	380	3	3	46	11	24	87	190	14	30	252	549	8	17
Nov	105	52	49	44	42	143	136	39	37	83	79	64	19	30	34	53	70	110	10	16	104	163
Dec	85	194	229	112	132	98	116	165	195	68	81	46	85	185	73	159	91	198	78	171	30	65

Table 5.6 - Mean rainfall, 2012 - 2016, Island of Rodrigues (cont'd)

Period	Long Term Mean (1981-2010)	Millimetres									
		2012		2013		2014		2015		2016	
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean ¹	% of Long Term Mean
Pte Canon											
Year	1,102	1,041	94	978	89	1,145	104	1,272	115	839	76
Jan	149	213	143	70	47	44	30	303	203	46	31
Feb	160	227	142	218	136	62	39	37	23	82	51
Mar	133	86	65	90	67	304	228	168	126	84	63
Apr	138	50	36	144	104	113	82	156	113	123	89
May	84	80	95	40	48	76	91	89	106	107	128
Jun	72	21	29	44	61	105	146	31	43	78	109
Jul	87	105	121	13	15	174	200	67	77	92	105
Aug	63	37	59	93	148	56	89	68	108	50	80
Sep	51	41	80	68	133	36	70	42	82	43	85
Oct	43	11	26	90	208	22	51	189	440	10	23
Nov	64	34	53	30	47	74	116	22	34	55	86
Dec	58	137	236	80	138	78	134	100	172	68	117

Source: Mauritius Meteorological Services

¹ Revised

Figure 5.3 - Mean annual rainfall by region, 2012-2016, Island of Rodrigues

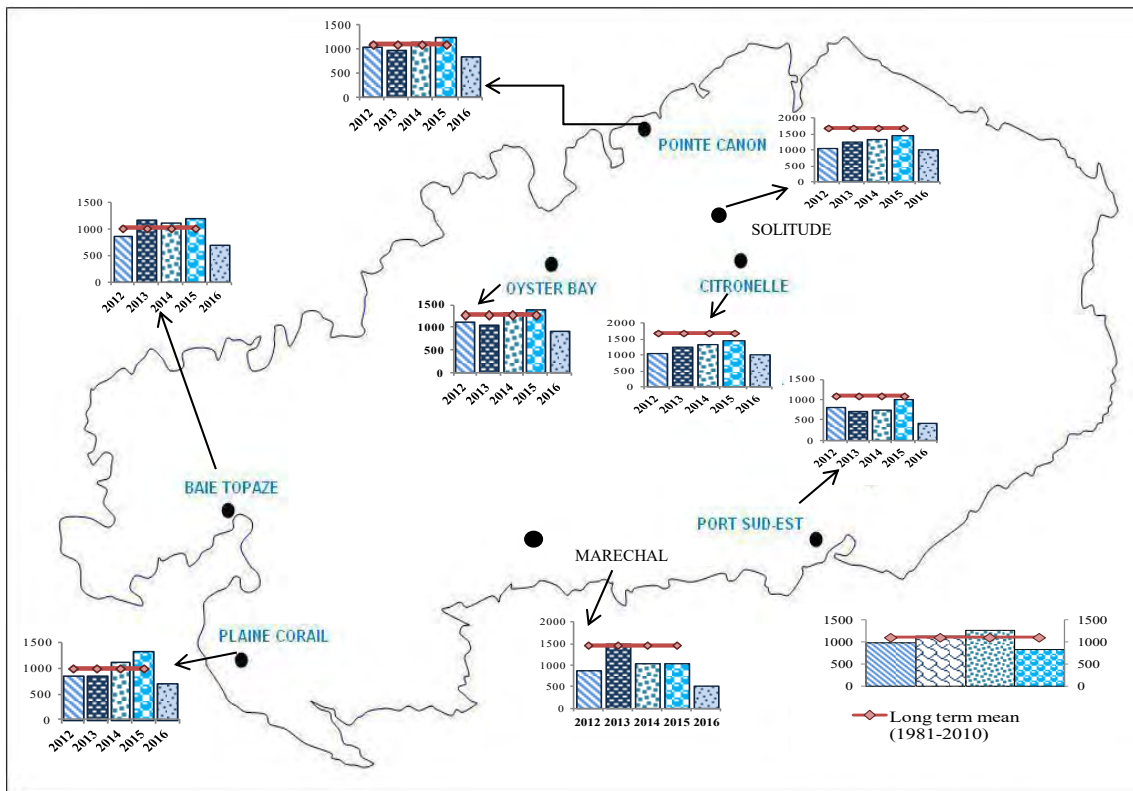


Table 5.7- Percentage of water level by month and reservoir, 2012 - 2016, Island of Mauritius

Period	Average for 1990-1999 (%)	2012			2013			2014			2015			2016		
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)
Mare aux Vacoas (Capacity 25.89 Mm³)																
Jan	60	25	24	27	61	52	64	65	56	67	75	63	99	71	69	72
Feb	65	27	23	30	73	63	85	72	67	74	100	99	100	82	70	88
Mar	80	38	33	49	92	85	99	77	72	84	98	96	100	88	85	90
Apr	83	62	51	76	100	99	100	86	81	90	95	92	97	90	83	96
May	83	86	77	90	95	91	99	90	87	92	88	84	91	97	95	100
Jun	81	89	87	90	87	84	90	84	80	87	89	86	93	98	94	99
Jul	79	86	85	88	79	76	84	80	78	82	92	90	98	99	98	100
Aug	80	83	81	85	75	72	76	82	81	83	98	96	100	98	94	100
Sep	78	78	76	81	68	64	72	77	74	81	94	89	98	90	86	94
Oct	72	72	68	75	60	55	64	68	63	73	88	85	91	80	76	86
Nov	63	64	60	68	57	55	62	58	54	63	83	80	85	72	67	75
Dec	58	55	52	59	59	56	62	56	53	63	75	70	80	62	56	67
La Nicoliere (Capacity 5.26 Mm³)																
Jan	63	75	56	87	51	44	56	84	57	100	99	95	100	65	61	79
Feb	75	64	44	78	80	53	100	91	81	100	96	85	100	94	81	100
Mar	91	97	81	100	100	100	100	88	78	100	100	100	100	99	94	100
Apr	92	100	100	100	100	100	100	94	82	100	98	88	100	97	88	100
May	95	100	100	100	92	72	100	98	84	100	95	87	100	100	99	100
Jun	94	100	98	100	50	41	70	68	58	84	100	93	100	99	96	100
Jul	93	97	89	100	58	56	59	61	58	72	100	97	100	100	100	100
Aug	94	94	80	100	65	58	72	82	73	87	100	99	100	98	89	100
Sep	89	55	42	78	75	71	77	74	60	83	77	62	100	73	68	87
Oct	69	61	55	64	57	39	71	50	43	60	67	62	73	58	48	67
Nov	46	57	39	63	45	39	54	39	30	48	65	63	67	49	47	51
Dec	39	41	39	44	62	57	66	62	39	97	61	60	63	58	45	63
Piton du Milieu (Capacity 2.99 Mm³)																
Jan	64	70	66	73	48	27	61	93	61	100	100	97	100	52	50	54
Feb	72	81	64	100	84	61	100	99	98	100	99	99	100	82	52	100
Mar	88	99	97	100	99	98	100	99	99	100	99	98	100	99	98	100
Apr	89	100	99	100	100	98	100	99	97	100	98	95	100	99	95	100
May	91	99	98	100	95	89	99	98	95	100	91	89	95	99	99	100
Jun	86	97	94	99	84	82	89	88	81	94	95	91	100	100	99	100
Jul	83	95	93	97	79	75	83	77	74	83	99	98	100	100	99	100
Aug	83	88	82	93	71	69	74	87	83	88	98	96	100	99	96	100
Sep	81	75	68	82	68	64	70	83	76	88	89	81	96	90	84	96
Oct	73	60	51	68	58	51	64	67	59	76	80	76	84	77	70	84
Nov	60	43	37	51	53	50	60	50	43	58	72	66	75	64	57	70
Dec	57	31	26	37	61	56	64	55	39	96	57	50	65	53	49	57

Source : Water Resources Unit, Ministry of Public Utilities

Table 5.7 - Percentage of water level by month and reservoir, 2012 - 2016, Island of Mauritius (cont'd)

Period	Average for 1990-1999 (%)	2012			2013			2014			2015			2016			
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	
La Ferme (Capacity 11.52 Mm³)																	
Jan	23	30	27	32	26	21	28	67	43	82	61	46	70	54	53	56	
Feb	30	28	26	29	40	27	68	88	82	91	72	70	76	69	55	81	
Mar	64	33	30	42	90	69	100	90	88	91	83	73	87	81	78	84	
Apr	75	67	44	86	100	99	100	89	86	91	81	80	83	79	76	81	
May	77	97	87	100	90	79	99	87	82	90	80	78	81	80	78	81	
Jun	69	94	91	99	71	68	78	77	71	81	81	79	84	81	78	83	
Jul	58	85	81	91	63	56	68	64	60	70	84	83	86	81	80	83	
Aug	49	76	70	81	52	47	56	57	55	60	83	80	86	83	82	84	
Sep	37	63	57	70	40	33	46	51	45	55	75	68	80	79	74	82	
Oct	25	50	42	57	28	22	33	38	33	45	64	59	68	69	63	74	
Nov	13	36	31	42	24	21	35	29	24	33	59	56	62	57	51	63	
Dec	10	25	21	30	44	37	46	28	22	45	54	53	55	43	37	50	
Mare Longue (Capacity 6.28 Mm³)																	
Jan	32	60	54	66	43	36	47	74	62	78	81	68	100	8	0	15	
Feb	48	53	50	55	56	46	69	91	79	96	96	89	99	32	15	45	
Mar	73	57	54	63	82	70	95	98	95	100	98	93	100	53	45	57	
Apr	75	73	65	82	100	99	100	99	98	100	84	73	92	68	57	79	
May	77	86	83	89	98	94	99	93	75	100	61	50	72	88	79	96	
Jun	73	85	84	88	91	89	94	70	65	75	48	43	53	99	96	100	
Jul	65	81	77	83	84	81	89	65	64	65	59	53	66	100	99	100	
Aug	63	74	70	77	80	79	81	66	65	66	59	52	65	99	99	100	
Sep	58	66	63	70	77	72	80	64	62	66	43	34	63	99	98	99	
Oct	46	59	54	63	68	63	72	55	50	62	30	25	34	92	86	98	
Nov	28	50	46	54	64	62	66	46	43	50	25	21	27	81	76	86	
Dec	20	40	36	45	64	62	67	52	45	67	5	0	21	71	64	76	
All reservoirs, excluding Midlands Dam (Capacity 51.94 Mm³)																	
Jan	49	38	34	41	49	41	53	70	54	77	77	66	92	58	56	61	
Feb	56	37	32	42	65	52	82	80	54	83	93	90	94	74	61	83	
Mar	77	49	44	57	91	82	99	85	82	89	95	93	96	84	83	86	
Apr	82	71	59	83	100	99	100	90	86	92	91	87	93	86	80	91	
May	83	91	84	94	94	87	99	91	85	94	84	80	86	93	91	94	
Jun	79	91	90	93	80	78	86	79	74	85	83	81	87	94	93	96	
Jul	75	87	85	90	74	71	78	73	71	74	89	86	91	95	95	96	
Aug	73	82	77	85	69	67	71	75	74	76	90	89	92	95	92	96	
Sep	68	71	67	77	64	59	67	70	65	74	82	74	89	87	83	91	
Oct	58	64	59	67	53	47	59	58	53	64	73	69	77	77	71	83	
Nov	46	54	48	59	49	47	55	48	44	53	68	65	70	67	62	71	
Dec	41	44	41	48	57	54	58	50	43	65	59	56	65	58	53	62	
Midlands Dam (Capacity 25.5 Mm³)																	
Jan	Impounding of reservoir started on 13 September 2002	80	79	82	47	37	52	56	39	64	78	61	100	64	61	66	
Feb		84	80	90	66	53	81	71	66	76	99	99	100	76	59	90	
Mar		99	92	100	91	81	100	86	77	100	99	99	100	97	90	99	
Apr		100	100	100	100	97	100	99	99	100	99	99	100	99	99	100	
May		100	100	100	97	96	98	99	98	100	99	99	100	99	98	100	
Jun		100	99	100	93	88	97	98	93	99	99	99	98	100	99	98	100
Jul		100	99	100	79	71	87	88	85	92	99	99	99	100	99	98	100
Aug		100	100	100	64	59	70	86	85	87	99	99	100	99	98	100	
Sep		97	91	100	55	50	59	81	75	85	98	93	99	96	91	99	
Oct		80	71	90	45	40	50	65	56	75	93	90	95	84	77	94	
Nov		62	56	70	42	41	44	50	45	56	87	81	90	69	61	76	
Dec		45	37	55	41	38	44	46	40	60	72	63	80	55	49	60	

Source : Water Resources Unit, Ministry of Public Utilities

Figure 5.4 - Water level in each reservoir, 2012 - 2016, Island of Mauritius

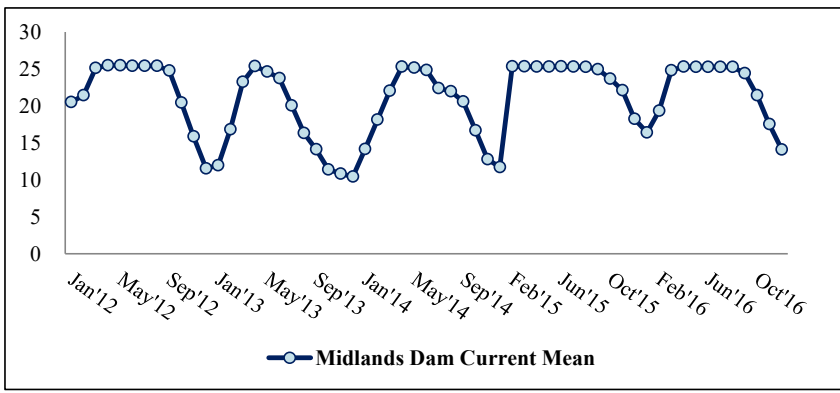
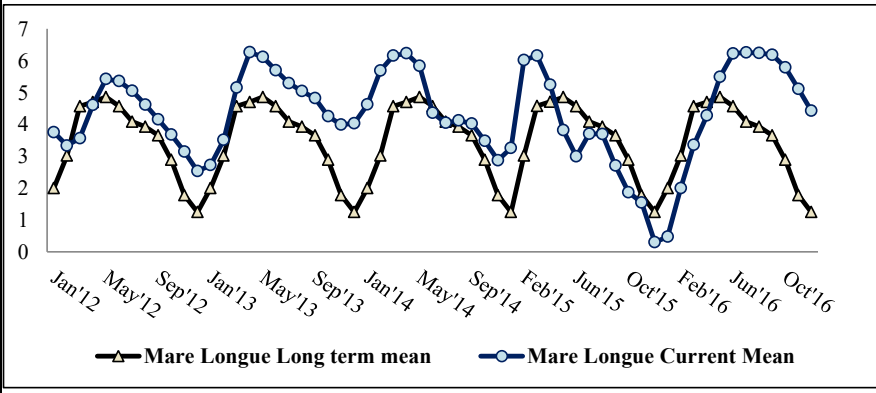
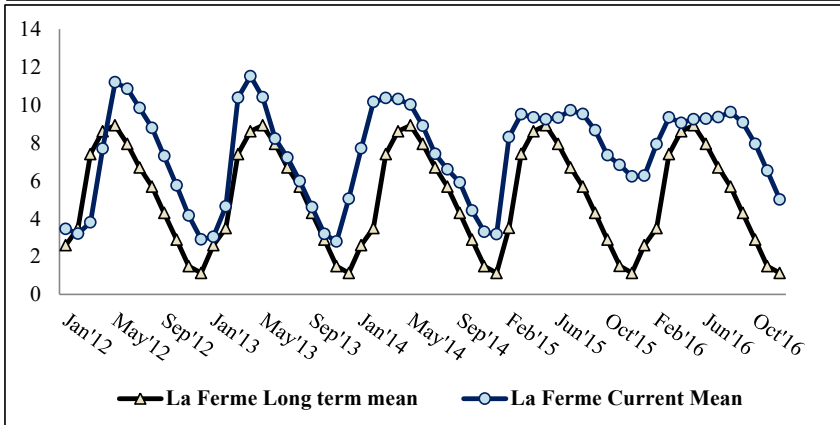
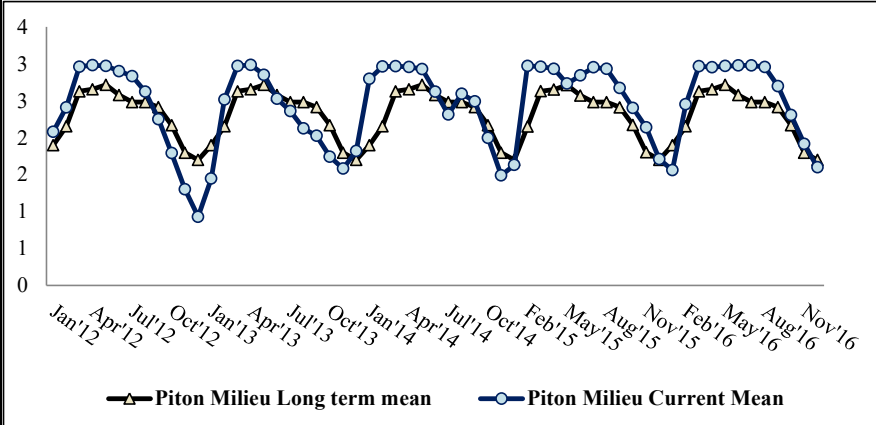
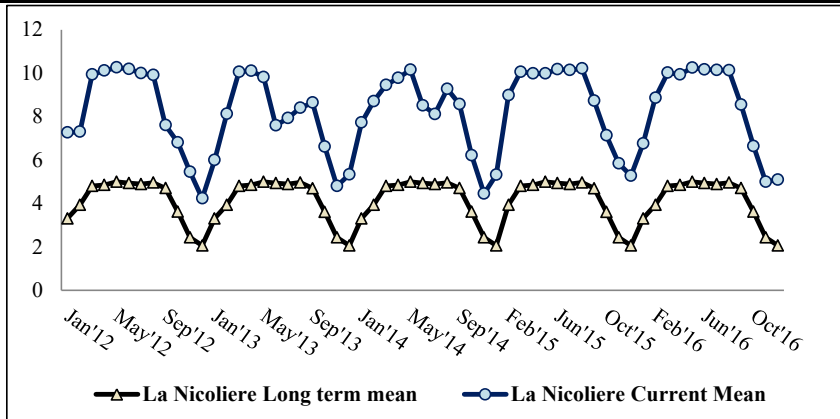
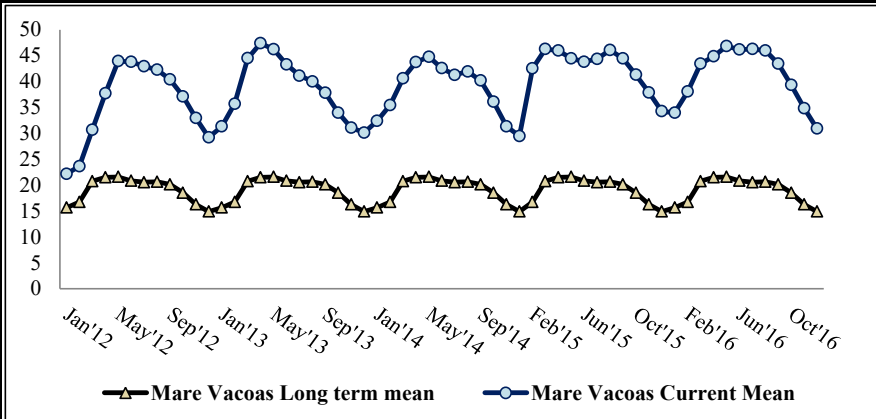


Table 5.8 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2012 - 2016, Island of Mauritius

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 (%)
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total		
Mm³																							
2012	36	6.2	42.2	0.0	29.7	29.7	21.6	13.7	35.3	25.7	22	47.7	10.7	18.2	28.9	11.7	19.6	31.3	105.7	109.4	215.1	49	51
Jan	2.2	0.5	2.7	0.0	2.2	2.2	1.8	1.0	2.8	2.2	1.9	4.1	0.9	1.5	2.4	1.0	1.8	2.8	8.1	8.9	17.0	48	52
Feb	2.2	0.5	2.7	0.0	2.1	2.1	1.6	1.0	2.6	2.0	1.8	3.8	0.8	1.4	2.2	1.0	1.7	2.7	7.6	8.5	16.1	47	53
Mar	2.3	0.6	2.9	0.0	2.5	2.5	1.7	1.3	3.0	2.2	1.8	4.0	0.9	1.5	2.4	1.1	1.8	2.9	8.2	9.5	17.7	46	54
Apr	2.3	0.6	2.9	0.0	2.6	2.6	1.7	1.4	3.1	2.1	1.9	4.0	0.9	1.5	2.4	0.9	1.8	2.7	7.9	9.8	17.7	45	55
May	3.1	0.5	3.6	0.0	2.7	2.7	1.8	1.3	3.1	2.1	1.9	4.0	0.9	1.6	2.5	1.0	1.7	2.7	8.9	9.7	18.6	48	52
Jun	3.2	0.5	3.7	0.0	2.7	2.7	2.0	1.2	3.2	2.1	1.9	4.0	0.9	1.6	2.5	1.0	1.6	2.6	9.2	9.5	18.7	49	51
Jul	3.4	0.5	3.9	0.0	2.9	2.9	2.0	1.0	3.0	2.2	2.0	4.2	0.9	1.7	2.6	1.0	1.8	2.8	9.5	9.9	19.4	49	51
Aug	3.5	0.5	4.0	0.0	2.7	2.7	2.0	1.0	3.0	2.1	2.0	4.1	0.9	1.6	2.5	1.0	1.7	2.7	9.5	9.5	19.0	50	50
Sep	3.4	0.5	3.9	0.0	2.4	2.4	1.8	1.1	2.9	2.0	1.8	3.8	0.9	1.4	2.3	1.1	1.4	2.5	9.2	8.6	17.8	52	48
Oct	3.5	0.5	4.0	0.0	2.5	2.5	1.8	1.2	3.0	2.0	1.7	3.7	0.9	1.5	2.4	1.0	1.5	2.5	9.2	8.9	18.1	51	49
Nov	3.4	0.5	3.9	0.0	2.3	2.3	1.8	1.1	2.9	2.4	1.6	4.0	0.9	1.4	2.3	0.8	1.4	2.2	9.3	8.3	17.6	53	47
Dec	3.5	0.5	4.0	0.0	2.1	2.1	1.6	1.1	2.7	2.3	1.7	4.0	0.9	1.5	2.4	0.8	1.4	2.2	9.1	8.3	17.4	52	48
2013	43.2	6.6	49.8	0.0	30.0	30.0	20.5	13.2	33.7	26.3	21.3	47.6	9.7	16.7	26.4	9.4	19.7	29.1	109.1	107.5	216.6	50	50
Jan	3.5	0.5	4.0	0.0	2.4	2.4	1.8	1.0	2.8	2.4	1.7	4.1	0.8	1.7	2.5	0.7	1.5	2.2	9.2	8.8	18.0	51	49
Feb	3.3	0.5	3.8	0.0	2.3	2.3	1.6	1.0	2.6	2.1	1.6	3.7	0.6	1.5	2.1	0.7	1.4	2.1	8.3	8.3	16.6	50	50
Mar	3.8	0.6	4.4	0.0	2.9	2.9	1.6	1.4	3.0	2.3	2.0	4.3	0.7	1.7	2.4	0.9	1.8	2.7	9.3	10.4	19.7	47	53
Apr	3.7	0.6	4.3	0.0	2.8	2.8	1.7	1.3	3.0	2.2	1.9	4.1	0.7	1.5	2.2	0.8	1.7	2.5	9.1	9.8	18.9	48	52
May	3.7	0.6	4.3	0.0	2.7	2.7	1.8	1.8	3.6	2.2	2.0	4.2	0.8	1.5	2.3	0.8	1.6	2.4	9.3	10.2	19.5	48	52
Jun	3.7	0.6	4.3	0.0	2.4	2.4	1.7	1.2	2.9	2.1	1.8	3.9	0.8	1.3	2.1	0.8	1.6	2.4	9.1	8.9	18.0	51	49
Jul	3.9	0.6	4.5	0.0	2.5	2.5	1.8	1.2	3.0	2.2	1.8	4.0	0.9	1.2	2.1	0.7	1.7	2.4	9.5	9.0	18.5	51	49
Aug	3.7	0.6	4.3	0.0	2.4	2.4	1.8	1.1	2.9	2.2	1.8	4.0	0.9	1.2	2.1	0.8	1.7	2.5	9.4	8.8	18.2	52	48
Sep	3.4	0.5	3.9	0.0	2.2	2.2	1.8	1.1	2.9	2.1	1.7	3.8	0.8	1.2	2.0	0.7	1.7	2.4	8.8	8.4	17.2	51	49
Oct	3.5	0.5	4.0	0.0	2.4	2.4	1.5	0.8	2.3	2.2	1.7	3.9	0.9	1.2	2.1	0.8	1.7	2.5	8.9	8.3	17.2	52	48
Nov	3.4	0.5	3.9	0.0	2.4	2.4	1.6	0.6	2.2	2.1	1.6	3.7	0.9	1.3	2.2	0.8	1.7	2.5	8.8	8.1	16.9	52	48
Dec	3.6	0.5	4.1	0.0	2.6	2.6	1.8	0.7	2.5	2.2	1.7	3.9	0.9	1.4	2.3	0.9	1.6	2.5	9.4	8.5	17.9	53	47

Source: Central Water Authority

Table 5.8 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2012 - 2016, 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																						Surface (%)	Borehole (%)	
2014	41.8	7.0	48.8	0.0	32.0	32.0	19.2	15.6	34.8	26.7	22.0	48.7	10.4	21.7	32.1	12.1	20.2	32.3	110.2	118.5	228.7	48	52	
Jan	3.7	0.5	4.2	0.0	2.8	2.8	1.7	1.5	3.2	2.2	1.8	3.8	0.9	1.4	2.3	0.9	1.7	2.6	9.3	9.6	18.9	49	51	
Feb	3.1	0.5	3.6	0.0	2.6	2.6	1.6	1.4	3.0	2.0	1.7	3.6	0.8	1.6	2.4	0.9	1.6	2.5	8.4	9.3	17.7	47	53	
Mar	3.5	0.6	4.1	0.0	2.9	2.9	1.8	1.5	3.3	2.2	1.9	4.0	0.9	1.8	2.7	1.0	1.7	2.7	9.4	10.3	19.7	48	52	
Apr	3.4	0.6	4.0	0.0	3.0	3.0	1.7	1.4	3.1	2.1	1.9	4.0	0.9	1.9	2.8	1.0	1.7	2.7	9.1	10.5	19.6	46	54	
May	3.5	0.6	4.1	0.0	2.8	2.8	1.8	1.3	3.1	2.2	2.0	4.2	0.9	2.0	2.9	1.0	1.7	2.7	9.4	10.4	19.8	47	53	
Jun	3.3	0.7	4.0	0.0	2.7	2.7	1.7	1.2	2.9	2.1	2.0	4.1	0.9	1.9	2.8	1.0	1.6	2.6	9.0	10.1	19.1	47	53	
Jul	3.6	0.6	4.2	0.0	2.7	2.7	1.8	1.3	3.1	2.5	2.0	4.5	0.9	1.9	2.8	1.1	1.7	2.8	9.9	10.2	20.1	49	51	
Aug	3.5	0.6	4.1	0.0	2.6	2.6	1.6	1.2	2.8	2.3	1.8	4.1	0.9	2.0	2.9	1.0	1.7	2.8	9.3	10.0	19.3	48	52	
Sep	3.4	0.6	4.0	0.0	2.7	2.7	1.4	1.1	2.5	2.4	1.8	4.2	0.9	1.8	2.8	1.1	1.7	2.8	9.2	9.8	19.0	48	52	
Oct	3.7	0.6	4.3	0.0	2.8	2.8	1.4	1.3	2.7	2.3	1.8	4.1	0.8	1.7	2.5	1.1	1.7	2.8	9.3	9.9	19.2	48	52	
Nov	3.5	0.5	4.0	0.0	2.2	2.2	1.5	1.2	2.7	2.1	1.8	3.9	0.8	1.6	2.4	1.0	1.6	2.6	8.9	8.9	17.8	50	50	
Dec	3.6	0.6	4.2	0.0	2.2	2.2	1.2	1.2	2.4	2.4	1.8	4.2	0.8	2.0	2.8	1.0	1.7	2.7	9.0	9.5	18.5	49	51	
2015	43.9	7.7	51.6	0.0	33.5	33.5	17.4	17.7	35.1	26.0	24.5	50.5	10.8	25.4	36.2	14.3	23.4	37.7	112.4	132.2	244.6	46	54	
Jan	3.5	0.7	4.2	0.0	2.7	2.7	1.0	1.5	2.5	2.3	1.8	4.1	0.9	2.2	3.1	1.1	1.9	3.0	8.8	10.8	19.6	45	55	
Feb	3.4	0.6	4.0	0.0	2.5	2.5	0.6	1.5	2.1	2.1	1.7	3.8	0.8	2.0	2.8	1.0	1.7	2.7	7.9	10.0	17.9	44	56	
Mar	3.8	0.7	4.5	0.0	2.9	2.9	0.8	2.0	2.8	2.3	2.0	4.3	0.9	2.3	3.2	1.2	1.9	3.1	9.0	11.8	20.8	43	57	
Apr	3.4	0.7	4.1	0.0	2.9	2.9	1.0	1.7	2.7	2.2	2.0	4.2	0.9	2.1	3.0	1.3	1.9	3.2	8.8	11.3	20.0	44	56	
May	3.7	0.6	4.3	0.0	2.8	2.8	1.1	1.4	2.5	2.2	2.1	4.3	0.9	2.2	3.1	1.2	1.9	3.1	9.1	11.0	20.1	45	55	
Jun	3.6	0.7	4.3	0.0	2.8	2.8	1.6	1.4	3.0	2.0	2.1	4.1	0.9	2.1	3.0	1.1	1.9	3.0	9.2	11.0	20.1	46	54	
Jul	3.8	0.7	4.5	0.0	3.1	3.1	1.9	1.5	3.4	2.1	2.1	4.2	0.9	2.2	3.1	1.2	2.0	3.2	9.9	11.6	21.5	46	54	
Aug	3.7	0.7	4.4	0.0	3.1	3.1	1.9	1.5	3.4	2.2	2.2	4.4	0.9	2.1	3.0	1.3	2.0	3.3	10.0	11.6	21.6	46	54	
Sep	3.6	0.6	4.2	0.0	2.7	2.7	1.8	1.4	3.2	2.1	2.1	4.2	0.9	2.0	2.9	1.2	1.9	3.1	9.6	10.7	20.3	47	53	
Oct	3.8	0.6	4.4	0.0	2.7	2.7	1.9	1.2	3.1	2.2	2.2	4.4	1.0	2.1	3.1	1.3	2.1	3.4	10.2	10.9	21.1	48	52	
Nov	3.8	0.6	4.4	0.0	2.7	2.7	1.9	1.3	3.2	2.1	2.1	4.2	0.9	2.1	3.0	1.2	2.1	3.3	9.9	10.9	20.8	48	52	
Dec	3.8	0.6	4.4	0.0	2.6	2.6	2.0	1.3	3.3	2.2	2.1	4.3	1.0	2.0	3.0	1.2	2.1	3.3	10.2	10.7	20.9	49	51	

Source: Central Water Authority

Table 5.8 -Average monthly potable water production from treatment plants and boreholes to distribution systems, 2012 - 2016, 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																						
2016	44.6	7.7	52.3	0.0	33.8	33.8	21.3	14.3	35.6	26.0	24.8	50.8	10.7	24.7	35.4	13.3	26.1	39.4	115.9	131.4	247.3	47	53
Jan	3.7	0.7	4.4	0.0	2.9	2.9	2.3	1.3	3.6	2.2	2.1	4.3	1.0	2.1	3.1	1.2	2.1	3.3	10.4	11.2	21.5	48	52
Feb	3.6	0.6	4.2	0.0	2.6	2.6	2.2	1.1	3.3	2.1	2.0	4.1	0.9	1.9	2.8	1.0	1.9	2.9	9.7	10.1	19.9	49	51
Mar	3.8	0.7	4.5	0.0	2.8	2.8	2.6	1.2	3.8	2.4	2.1	4.5	0.9	2.1	3.0	1.1	2.2	3.3	10.8	11.1	21.9	49	51
Apr	3.7	0.6	4.3	0.0	2.8	2.8	1.7	1.4	3.1	2.1	2.1	4.2	0.8	2.1	2.9	1.1	2.2	3.3	9.4	11.2	20.7	46	54
May	3.6	0.7	4.3	0.0	2.9	2.9	1.6	1.2	2.8	2.2	2.1	4.3	0.9	2.1	3.0	1.1	2.2	3.3	9.4	11.2	20.6	46	54
Jun	3.5	0.6	4.1	0.0	2.7	2.7	1.5	1.2	2.7	2.1	2.0	4.1	0.9	2.0	2.9	1.0	2.3	3.3	9.0	10.8	19.8	45	55
Jul	3.8	0.7	4.5	0.0	3.0	3.0	1.6	1.1	2.7	2.2	2.1	4.3	0.9	2.1	3.0	1.0	2.4	3.4	9.5	11.4	20.8	45	55
Aug	3.9	0.7	4.6	0.0	2.7	2.7	1.7	1.1	2.8	2.2	2.0	4.2	0.9	2.1	3.0	1.1	2.3	3.4	9.8	10.9	20.7	47	53
Sep	3.6	0.6	4.2	0.0	3.4	3.4	1.6	1.3	2.9	2.1	1.9	4.0	0.9	2.0	2.9	1.2	2.2	3.4	9.4	11.4	20.8	45	55
Oct	3.9	0.6	4.5	0.0	2.9	2.9	1.5	1.3	2.8	2.2	2.2	4.4	0.9	2.2	3.1	1.2	2.4	3.6	9.7	11.6	21.4	46	54
Nov	3.6	0.6	4.2	0.0	2.7	2.7	1.4	1.1	2.5	2.1	2.2	4.3	0.9	2.0	2.9	1.2	2.1	3.3	9.2	10.7	19.8	46	54
Dec	3.9	0.6	4.5	0.0	2.4	2.4	1.6	1.0	2.6	2.1	2.0	4.1	0.8	2.0	2.8	1.1	1.8	2.9	9.5	9.8	19.4	49	51

Source: Central Water Authority

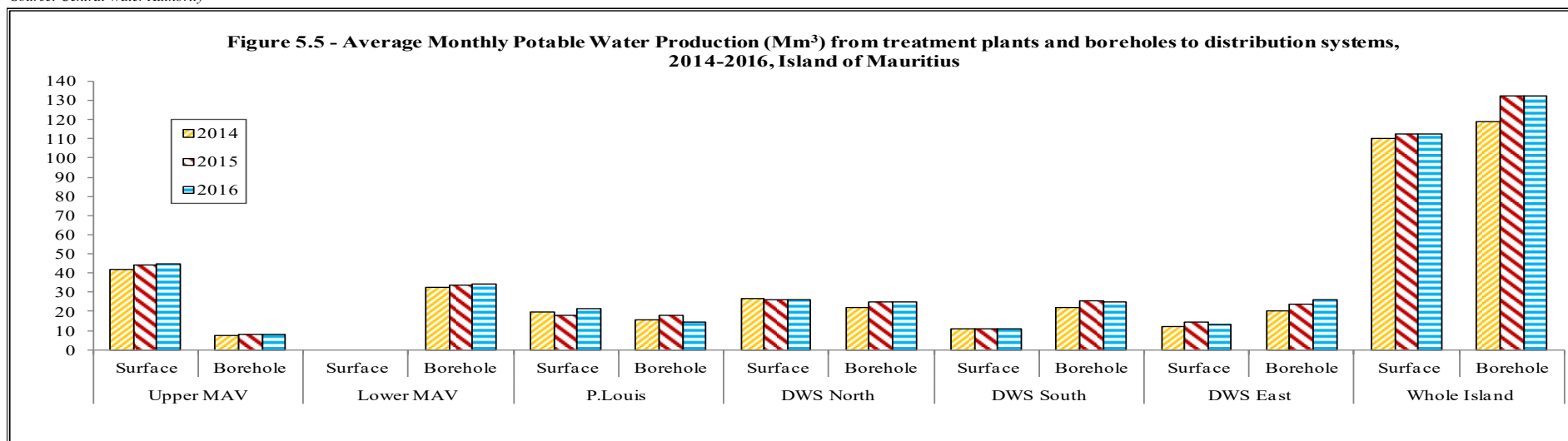


Table 5.9 - Water sales by tariff¹ of subscriber, 2013-2016, Island of Mauritius

Type of Tariff	No. of consumers	Volume sold (thousand m ³)	Amount Collectible (Rs 000)	Average Sales Price per m ³	No. of consumers	Volume sold (thousand m ³)	Amount Collectible (Rs 000)	Average Sales Price per m ³
	2013				2014			
Domestic	317,786	73,355	696,281	9.49	323,254	74,184	703,967	9.49
Public Sector Agency	2,511	3,796	91,109	24.00	2,539	3,812	91,480	24.00
Acquired / concessionary prizes	38	13	133	9.87	34	12	122	10.32
Business	1,118	6,981	240,978	34.52	1,145	7,226	249,316	34.50
Commercial	13,646	6,046	160,622	26.57	13,832	6,077	161,438	26.57
Religious	1,981	585	11,494	19.65	2,036	605	11,926	19.70
Industrial	598	3,784	68,711	18.16	597	3,604	65,472	18.17
Sub total	337,678	94,559	1,269,326	13.42	343,437	95,520	1,283,721	13.44
Agriculture	3,942	1,298	19,034	14.67	3,960	1,358	19,627	14.46
Total potable water	341,620	95,857	1,288,361	13.44	347,397	96,877	1,303,349	13.45
Total non-treated water (Agriculture/ Industrial)	332	15,421	60,295	3.91	350	14,903	61,656	4.14
Grand Total	341,952	111,278	1,348,656	12.12	347,747	111,780	1,365,005	12.21
	2015²				2016			
Domestic	328,720	75,056	707,141	9.42	335,058	76,346	722,649	9.47
Public Sector Agency	2,533	3,959	94,835	23.96	2,548	4,048	97,262	24.03
Acquired / concessionary prizes	31	11	140	12.22	30	13	186	14.60
Business	1,147	7,328	252,618	34.47	1,177	7,574	261,108	34.47
Commercial	13,873	6,147	163,046	26.52	14,382	6,502	173,643	26.71
Religious	2,080	625	12,257	19.62	2,125	651	13,078	20.08
Industrial	573	3,728	67,688	18.16	554	3,819	69,494	18.20
Sub total	348,957	96,854	1,297,726	13.40	355,874	98,953	1,337,420	13.52
Agriculture	3,977	1,308	19,250	14.72	4,077	1,363	20,439	14.99
Total potable water	352,934	98,162	1,316,976	13.42	359,951	100,316	1,357,858	13.54
Total non-treated water (Agriculture/ Industrial)	369	14,858	66,240	4.46	377	18,543	96,977	5.23
Grand Total	353,303	113,020	1,383,216	12.24	360,328	118,859	1,454,835	12.24

¹ The water supply regulations of 2011, effective as from Jan 2012, changed the tariffs and categories of subscribers. It also created a new category of subscriber, namely 'Business'.

² Revised

Source: Central Water Authority

Figure 5.6 - Percentage of water sold by tariff of subscriber, 2016

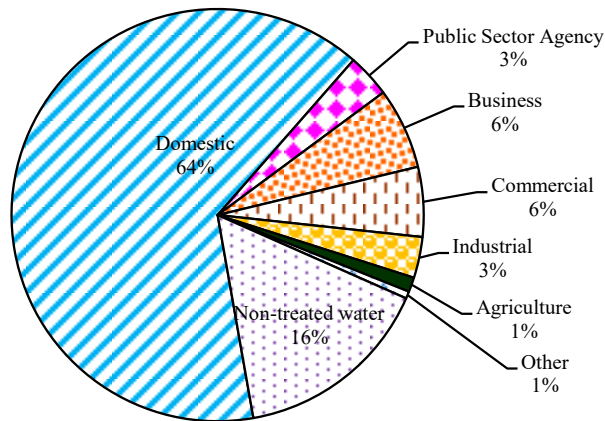
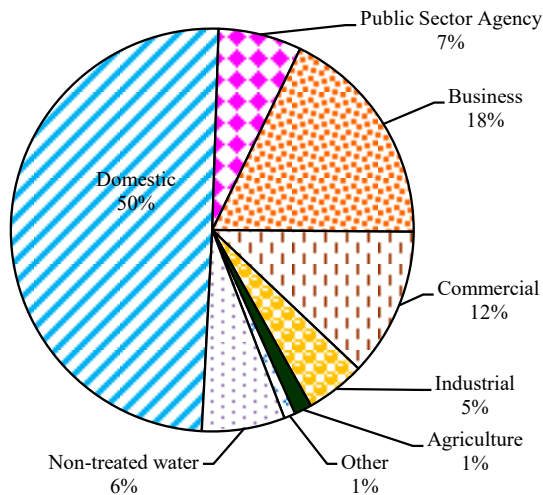
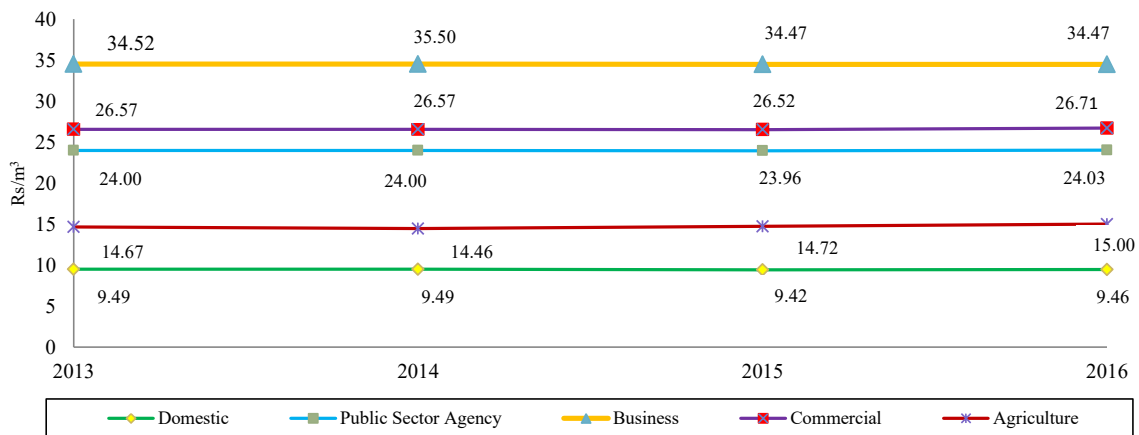


Figure 5.7 - Percentage of amount collectible by tariff of subscriber, 2016



**Figure 5.8 - Average sales price of water per m³ by tariff of subscriber, 2013 -2016
Island of Mauritius**



Note: The water supply regulations of 2011, effective as from Jan 2012, changed the tariffs and categories of subscribers. It also created a new category of subscriber, namely 'Business'.

Section VI

Energy and Water data from Censuses and Surveys

Table 6.1 - Private households by geographical location and availability of electricity at Housing Censuses 2000 and 2011 and Private households having a Residual Current Device (RCD) at Housing Census 2011

Geographical location	Housing Census 2000				Housing Census 2011				Households having Residual Current Device (RCD)
	Availability of electricity								
	Available	Not available	Not stated	Total	Available	Not available	Not stated	Total	
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
Island of Mauritius	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 %

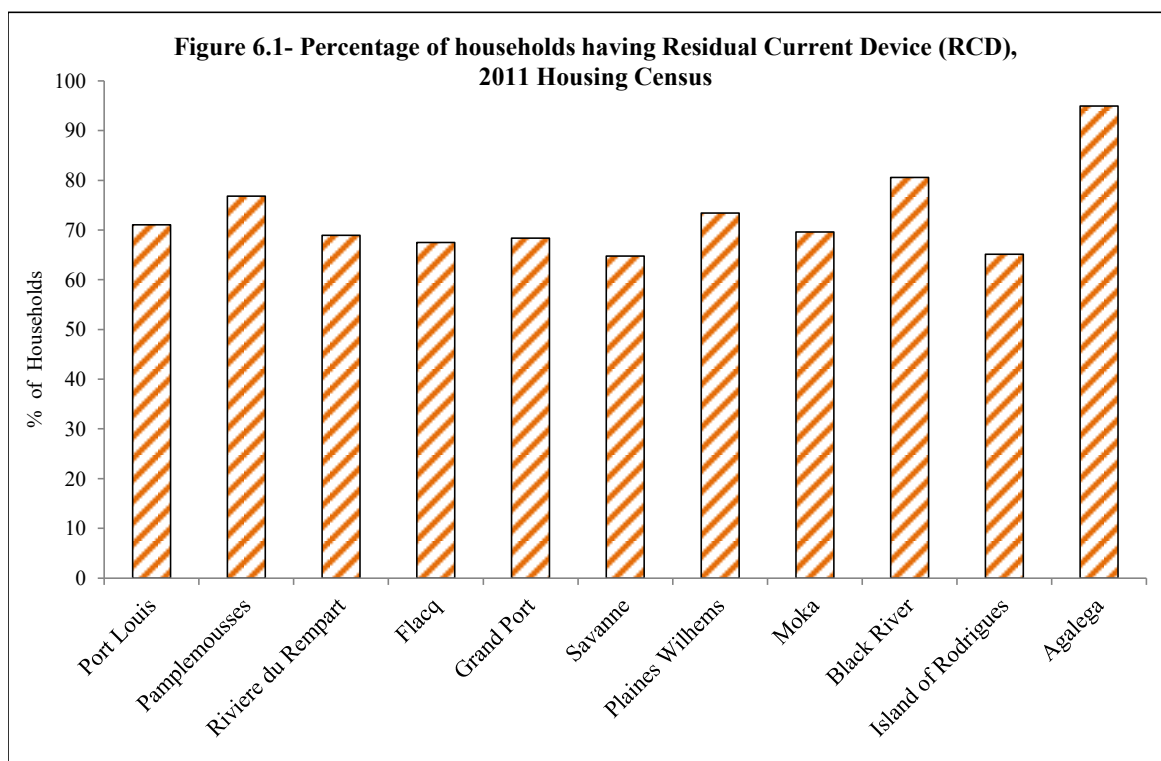


Table 6.2 -Private households by geographical location and principal fuel used for cooking, Housing Censuses 2000 and 2011

Geographical location	Principal fuel used for cooking							
	Wood	Charcoal	Kerosene	Electricity	Gas	Other	Not Stated	Total
Housing Census 2000								
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
Island of Mauritius	11,412	521	9,542	1,480	265,837	373	5	289,170
	<i>4.0 %</i>	<i>0.2 %</i>	<i>3.3 %</i>	<i>0.5 %</i>	<i>91.9 %</i>	<i>0.1 %</i>	<i>0.0 %</i>	<i>100.0 %</i>
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
	<i>4.3 %</i>	<i>0.2 %</i>	<i>3.4 %</i>	<i>0.5 %</i>	<i>91.5 %</i>	<i>0.1 %</i>	<i>0.0 %</i>	<i>100.0 %</i>
Housing Census 2011								
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
Island of Mauritius	3,993	217	284	843	325,264	164	526	331,291
	<i>1.2 %</i>	<i>0.1 %</i>	<i>0.1 %</i>	<i>0.2 %</i>	<i>98.2 %</i>	<i>0.0 %</i>	<i>0.2 %</i>	<i>100.0 %</i>
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
	<i>1.8 %</i>	<i>0.1 %</i>	<i>0.1 %</i>	<i>0.3 %</i>	<i>97.5 %</i>	<i>0.0 %</i>	<i>0.2 %</i>	<i>100.0 %</i>

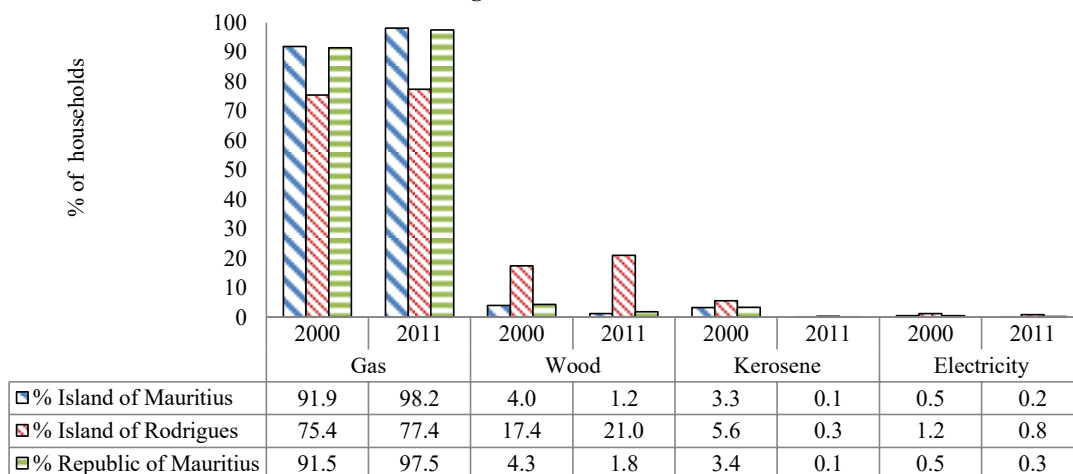
Figure 6.2 - Percentage distribution of households by principal fuel used for cooking, Housing Censuses 2000 and 2011

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

Geographical location	Principal fuel used for heating water for bathing						Total
	Electricity	Gas	Solar	Other	None ²	Not Stated	
Housing Census 2000							
Port Louis	8,690	7,921	826	520	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
Island of Mauritius	74,394	116,308	11,454	23,234	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	23,388	71,322	5	297,881
	25.1 %	39.2 %	3.9 %	7.9 %	23.9 %	0.0 %	100.0 %
Housing Census 2011							
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
Island of Mauritius	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 %

¹The water need not be heated in the bathroom

² Includes households where hot water is not regularly used for bathing

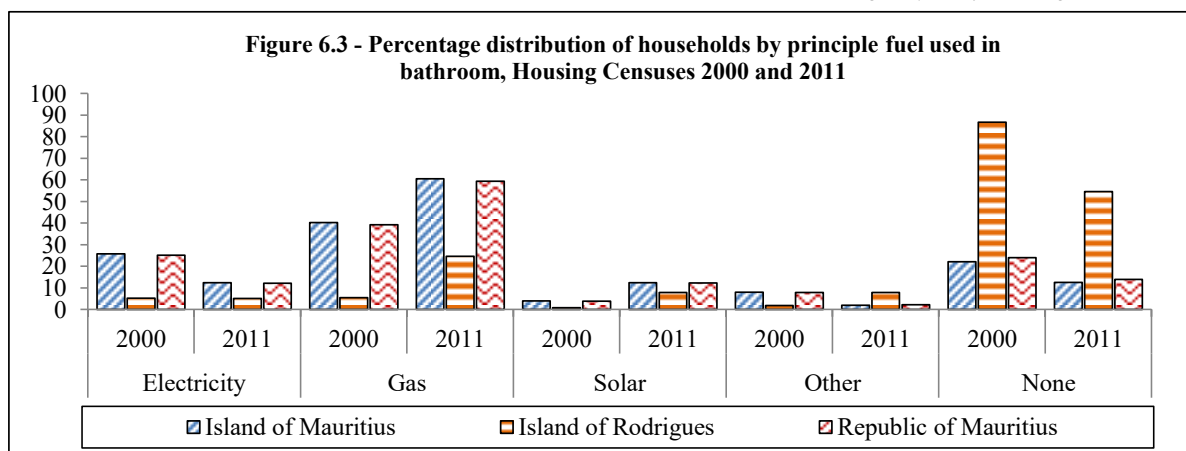


Table 6.4 - Private households by geographical location and type of water supply - Housing Censuses 2000 and 2011

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								
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
Island of Mauritius	246,205	38,862	1,113	133	96	2,754	7	289,170
	<i>85.1%</i>	<i>13.4%</i>	<i>0.4%</i>	<i>0.0%</i>	<i>0.0%</i>	<i>1.0%</i>	<i>0.0%</i>	<i>100.0%</i>
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
	<i>83.7%</i>	<i>14.5%</i>	<i>0.5%</i>	<i>0.1%</i>	<i>0.2%</i>	<i>1.1%</i>	<i>0.0%</i>	<i>100.0%</i>
Housing Census 2011								
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	5	22,122
Black River	19,242	1,615	3	-	4	157	4	21,025
Island of Mauritius	316,690	13,293	290	36	82	860	40	331,291
	<i>95.6%</i>	<i>4.0%</i>	<i>0.1%</i>	<i>0.0%</i>	<i>0.0%</i>	<i>0.3%</i>	<i>0.0%</i>	<i>100.0%</i>
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
	<i>94.3%</i>	<i>5.2%</i>	<i>0.1%</i>	<i>0.0%</i>	<i>0.1%</i>	<i>0.3%</i>	<i>0.0%</i>	<i>100.0%</i>

Figure 6.4 - Percentage distribution of private households by type of water supply, Housing Censuses 2000 and 2011

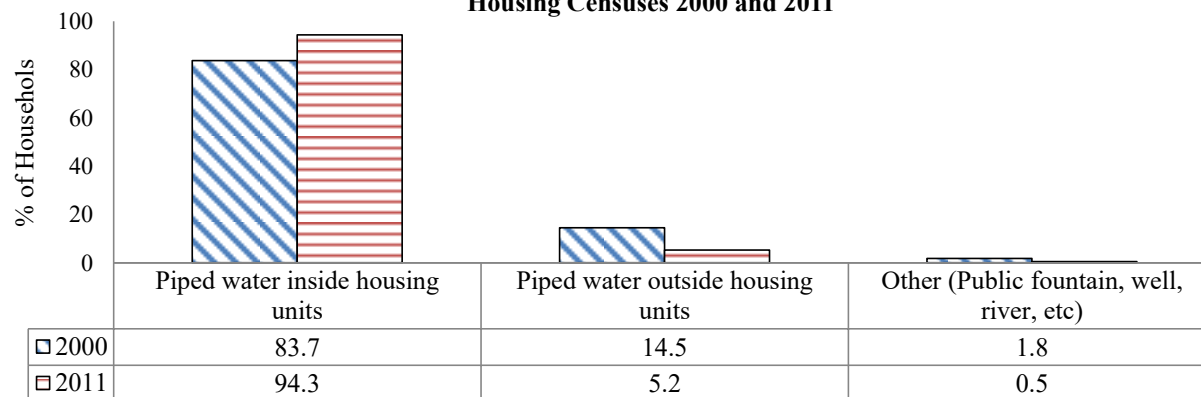
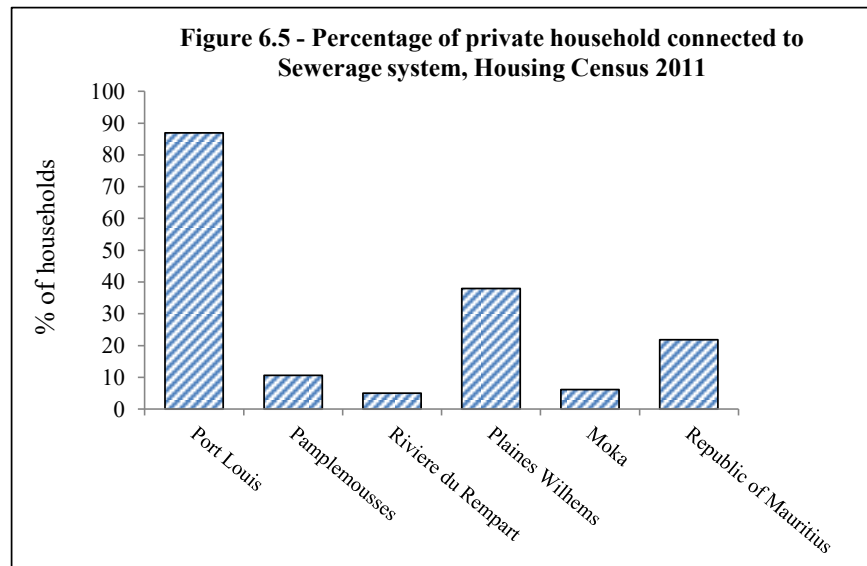


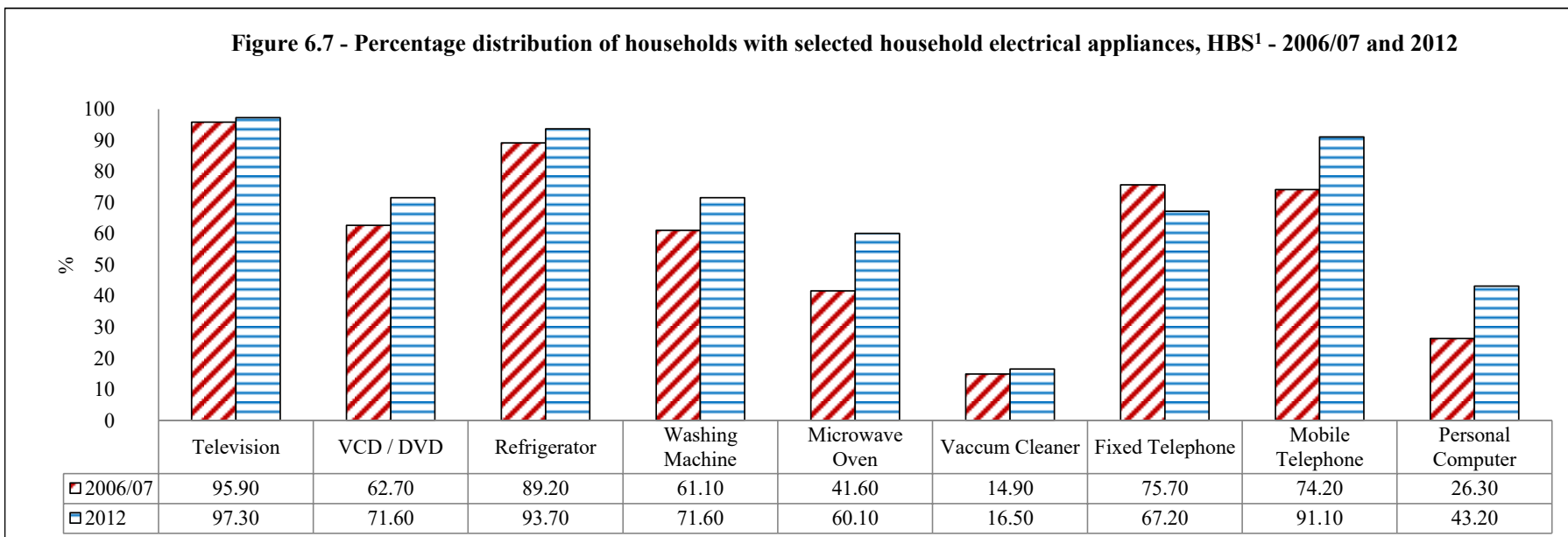
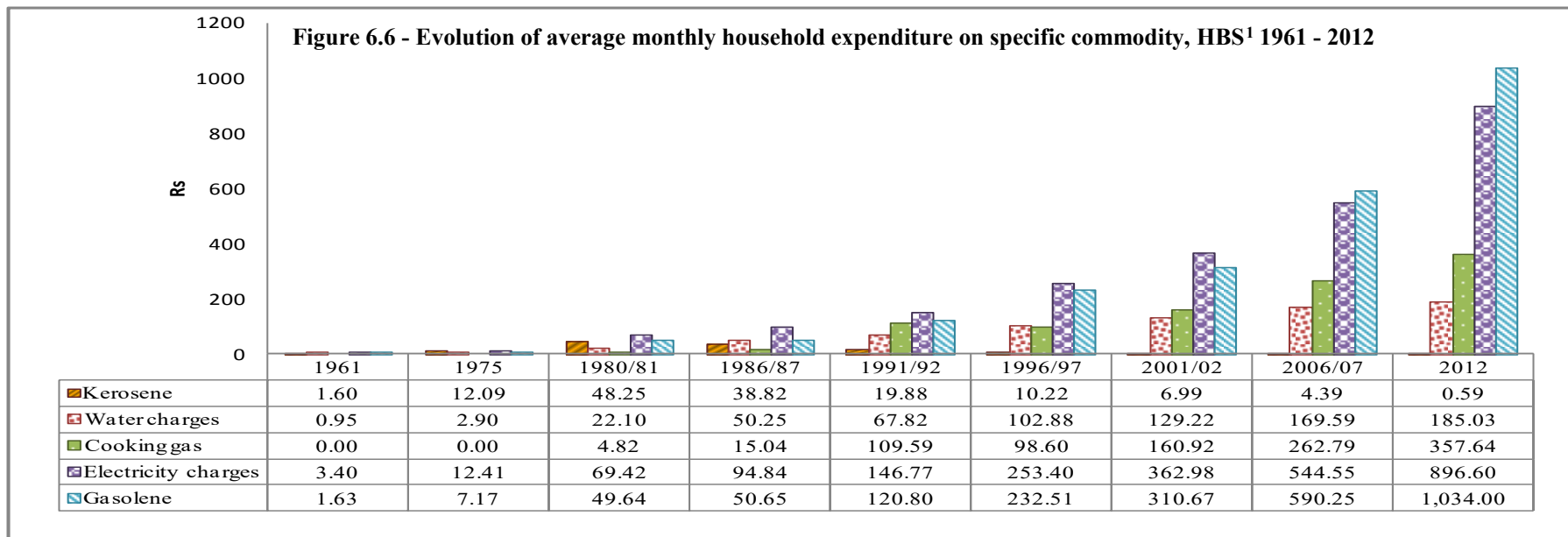
Table 6.5 - Private households by geographical location and availability of water tank - Housing Censuses 2000 and 2011

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
Island of Mauritius	105,234	183,857	79	289,170	159,167	171,978	146	331,291
	36.4%	63.6%	0.0%	100.0%	48.1%	51.9%	0.0%	100.0%
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	189,249	85	297,881	169,461	172,750	147	342,358
	36.4%	63.5%	0.0%	100.0%	0.495	50.5%	0.0%	100.0%

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
Island of Mauritius	74,659	256,632	331,291
	22.5%	77.5%	100.0%
Island of Rodrigues	-	10,988	10,988
Agalega	-	79	79
Republic of Mauritius	74,659	267,699	342,358
	21.8%	78.2%	100.0%





¹ Households Budget Survey

Table 6.7 - Distribution of average monthly household consumption expenditure by *Income Class* for selected energy and water related items as at HBS¹ 2006/2007 and 2012

(COICOP) ²	Income Class (Rupees)																	
	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+	
	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012
Water supply	169.59	185.03	107.23	65.05	101.29	94.04	126.38	118.64	149.61	132.52	159.13	151.86	174.00	166.30	197.71	199.01	219.96	228.38
Sewage collection	28.55	39.23	0.00	10.41	15.34	18.77	16.55	23.61	22.05	26.22	29.39	35.13	28.28	37.87	32.90	38.96	40.75	48.90
Electricity	544.55	896.61	293.69	243.05	258.19	360.07	315.06	422.11	386.74	542.55	461.23	638.01	552.20	769.88	655.79	884.31	931.41	1,275.24
Cooking gas (LPG)	262.79	357.64	149.11	201.60	163.14	213.93	219.07	260.73	225.94	276.23	260.57	325.63	274.47	358.51	307.71	378.11	299.28	402.33
Liquid fuels	5.11	0.64	37.83	2.09	8.66	2.29	7.04	0.74	5.75	1.10	6.54	0.22	3.92	1.05	3.62	0.40	2.25	0.54
Solid fuels	1.76	1.39	0.00	0.00	1.78	0.00	1.83	0.20	0.95	0.48	0.68	0.35	2.77	0.15	1.46	3.53	3.40	1.41
Fuels and lubricants for personal transport equipment	743.80	1,218.34	1.36	91.62	25.17	27.10	78.86	63.02	161.51	130.23	288.66	257.05	544.02	545.16	1,075.17	873.60	2,529.55	2,705.60
All items	14,300.26	21,240.56	3,987.70	4,382.31	4,317.14	5,181.24	6,181.31	7,003.88	8,343.76	8,946.93	10,570.38	11,908.66	13,683.83	14,794.13	18,114.97	18,575.74	30,690.76	36,429.00
	Percentage of total household consumption expenditure																	
Water supply	1.19	0.87	2.69	1.48	2.35	1.82	2.04	1.69	1.79	1.48	1.51	1.28	1.27	1.12	1.09	1.07	0.72	0.63
Sewage collection	0.20	0.18	0.00	0.24	0.36	0.36	0.27	0.34	0.26	0.29	0.28	0.29	0.21	0.26	0.18	0.21	0.13	0.13
Electricity	3.81	4.22	7.36	5.55	5.98	6.95	5.10	6.03	4.64	6.06	4.36	5.36	4.04	5.20	3.62	4.76	3.03	3.50
Cooking gas (LPG)	1.84	1.68	3.74	4.60	3.78	4.13	3.54	3.72	2.71	3.09	2.47	2.73	2.01	2.42	1.70	2.04	0.98	1.10
Liquid fuels	0.04	0.00	0.95	0.05	0.20	0.04	0.11	0.01	0.07	0.01	0.06	0.00	0.03	0.01	0.02	0.00	0.01	0.00
Solid fuels	0.01	0.01	0.00	0.00	0.04	0.00	0.03	0.00	0.01	0.01	0.01	0.00	0.02	0.00	0.01	0.02	0.01	0.00
Fuels and lubricants for personal transport equipment	5.20	5.74	0.03	2.09	0.58	0.52	1.28	0.90	1.94	1.46	2.73	2.16	3.98	3.68	5.94	4.70	8.24	7.43

¹ Household Budget Survey

² Classification of individual consumption according to purpose

Table 6.8 - Distribution of average monthly household consumption expenditure by *Expenditure Class* for selected energy and water related items as at HBS¹ 2006/2007 and 2012

(COICOP) ²	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+	
	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012	2006/2007	2012
	<i>Rupees</i>																	
Water supply	169.59	185.03	46.46	53.07	104.50	83.93	136.39	116.16	153.31	145.91	179.98	166.73	184.28	200.27	215.71	213.32	239.71	249.26
Sewage collection	28.55	39.23	2.35	7.18	14.16	21.85	17.68	24.30	25.97	28.99	29.28	35.34	44.54	42.17	34.48	47.74	38.64	50.81
Electricity	544.55	896.61	102.40	167.49	253.30	313.63	372.12	464.45	441.58	610.23	553.49	727.38	645.30	909.47	756.49	1,062.22	1,037.83	1,486.45
Cooking gas (LPG)	262.79	357.64	33.69	164.49	161.15	203.62	225.19	276.76	251.19	307.81	274.02	348.35	302.54	383.42	323.18	404.54	315.63	405.43
Liquid fuels	5.11	0.64	7.51	1.15	5.41	0.76	6.72	0.38	6.13	1.37	5.90	0.30	4.41	0.48	2.27	0.92	1.34	0.54
Solid fuels	1.76	1.39	0.00	0.00	1.15	0.00	0.54	0.14	2.49	0.24	1.23	0.17	1.78	0.86	3.35	4.57	2.83	1.74
Fuels and lubricants for personal transport equipment	483.93	1,218.34	49.57	0.00	110.55	10.71	209.78	52.08	323.08	138.55	396.02	41.41	672.39	831.16	830.20	1,637.03	1,422.47	3,863.56
All purposes	14,300.00	21,240.56	1,476.86	1,585.58	3,736.48	3,884.79	6,273.61	6,367.34	8,722.10	8,792.51	12,212.13	12,537.20	17,155.89	17,369.80	24,015.43	24,378.62	47,041.71	53,838.03
	<i>Percentage of total household consumption expenditure</i>																	
Water supply	1.19	0.87	3.15	3.35	2.80	2.16	2.17	1.82	1.76	1.66	1.47	1.33	1.07	1.15	0.90	0.88	0.51	0.46
Sewage collection	0.20	0.18	0.16	0.45	0.38	0.56	0.28	0.38	0.30	0.33	0.24	0.28	0.26	0.24	0.14	0.20	0.08	0.09
Electricity	3.81	4.22	6.93	10.56	6.78	8.07	5.93	7.29	5.06	6.94	4.53	5.80	3.76	5.24	3.15	4.36	2.21	2.76
Cooking gas (LPG)	1.84	1.68	2.28	10.37	4.31	5.24	3.59	4.35	2.88	3.50	2.24	2.78	1.76	2.21	1.35	1.66	0.67	0.75
Liquid fuels	0.04	0.00	0.51	0.07	0.14	0.02	0.11	0.01	0.07	0.02	0.05	0.00	0.03	0.00	0.01	0.00	0.00	0.00
Solid fuels	0.01	0.01	0.00	0.00	0.03	0.00	0.01	0.00	0.03	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.01	0.00
Fuels and lubricants for personal transport equipment	3.38	5.74	3.36	0.00	2.96	0.28	3.34	0.82	3.70	1.58	3.24	0.33	3.92	4.79	3.46	6.72	3.02	7.18

¹ Household Budget Survey

² Classification of individual consumption according to purpose

Table 6.9 - Average monthly household consumption expenditure for Transport and Housing divisions of COICOP¹ by quintile² group of household income at HBS 2006/2007 and 2012

(COICOP) ^{1/} Division	First Quintile		Second Quintile		Third quintile		Fourth quintile		Fifth quintile		All classes													
	2006/2007		2012		2006/2007		2012		2006/2007		2012													
	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%												
Average monthly household consumption expenditure																								
Housing, water, electricity, gas & other fuels	903	14.7	1046	16.4	1209	12.7	1531	13.7	1369	11.3	1895	12.1	1689	10.6	2263	10.2	2320	8.3	3494	7.1	1498	10.5	20.66	9.7
Transport	413	6.7	255	4.0	805	8.5	473	6.7	1206	10.0	1465	9.4	2379	14.9	2712	12.2	6675	24.0	1258	24.7	2295	16.0	3549	16.7
All items	6,141	100	6,374	100	9,497	100	11,138	100	12,063	100	15,624	100	15,983	100	22,252	100	27,830	100	49,156	100	14,300	100	21,241	100
Per capita monthly household consumption expenditure																								
Housing, water, electricity, gas & other fuels	450	15.7	544	8.5	403	13.0	546	4.9	417	11.4	619	4.0	494	10.8	671	3.0	660	8.6	1041	2.1	485	11.1	688	3.2
Transport	179	6.2	121	1.9	279	9.0	276	2.5	372	10.2	487	3.1	721	15.8	823	3.7	1917	25.0	3690	7.5	693	15.9	1104	5.2
All items	2,865	100	3,299	100	3,089	100	4,046	100	3,658	100	5,012	100	4,575	100	6,433	100	7,658	100	14,341	100	4,369	100	6,707	100

Figure 6.8- Percentage of monthly household consumption expenditure for Transport and Housing divisions of COICOP by quintile group of household income HBS 2006/2007 and 2012

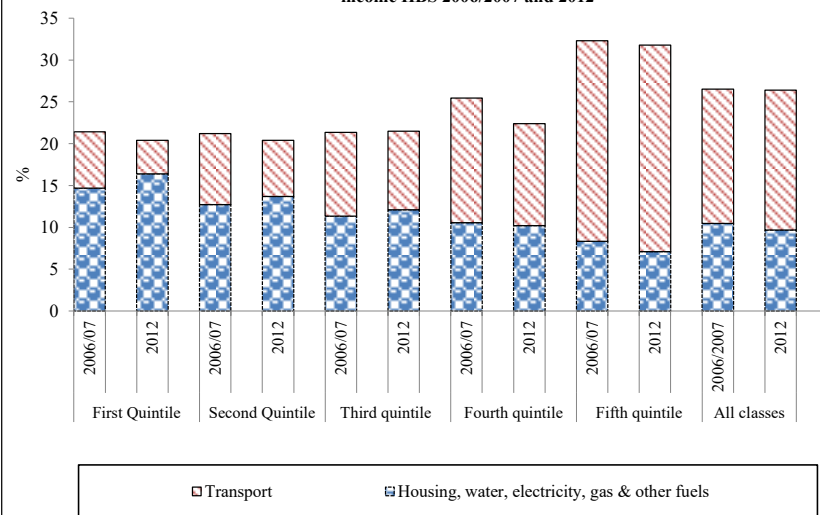
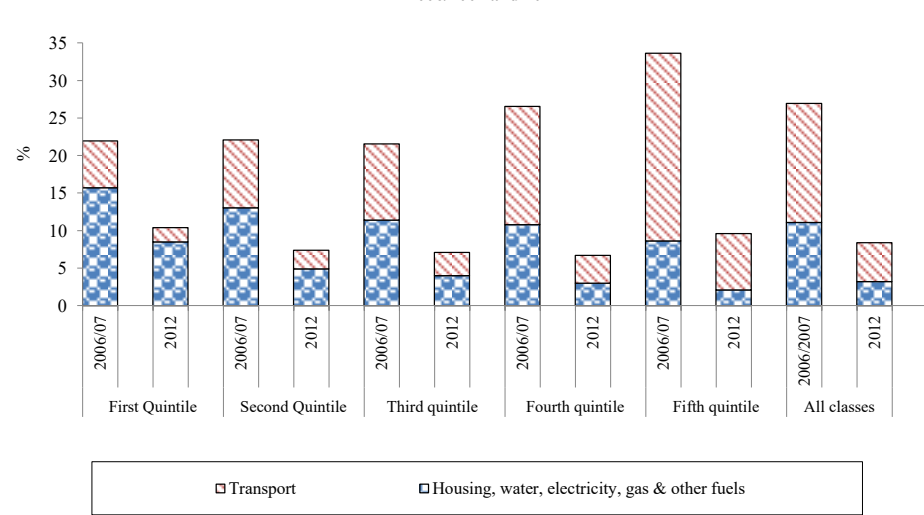


Figure 6.9- Percentage of per capita monthly household consumption expenditure for Transport and Housing divisions of COICOP by quintile group of household income HBS 2006/2007 and 2012



¹ Classification of individual consumption according to purpose

² Each quintile represents 20% of the population

Table 6.10 - Household expenditure for selected energy and water related items by district, CMPHS¹ 2007 - 2016

	Rs										
	All districts	Port Louis	Pamplemousses	Riviere du Rempart	Flacq	Grand Port	Savanne	Plaines Wilhems	Moka	Black River	Rodrigues
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											
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 ²	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											
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 ²	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											
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 ²	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
2012											
Average total expenditure	19,060	17,317	19,282	19,072	16,985	17,767	15,175	24,231	20,080	20,389	13,885
Gas	351	287	339	353	373	380	398	366	402	314	280
Water bill & Waste Water bill ²	214	316	204	212	210	191	210	237	214	252	0
Electricity bill	972	1,085	1,001	966	854	910	849	1,124	900	1,060	725
2013											
Average total expenditure	21,154	19,370	21,828	22,638	18,957	19,119	17,305	26,491	21,609	22,191	14,675
Gas	427	368	410	423	427	466	463	453	479	387	349
Water bill & Waste Water bill ²	273	360	257	244	248	243	250	302	239	283	0
Electricity bill	1,129	1,197	1,188	1,205	1,003	974	929	1,270	1,031	1,424	819
2014											
Average total expenditure	21,770	20,132	21,674	23,588	19,970	20,263	17,795	26,548	23,341	23,285	14,390
Gas	393	347	381	384	404	410	422	415	438	362	320
Water bill & Waste Water bill ²	247	345	218	214	226	212	228	274	227	252	342
Electricity bill	1,075	1,205	1,086	1,157	938	925	907	1,179	1,015	1,368	779
2015											
Average total expenditure	23,413	20,588	25,943	24,292	21,757	21,793	18,696	28,419	24,069	25,561	16,709
Gas	410	367	393	410	414	443	440	426	451	382	349
Water bill & Waste Water bill ²	253	319	229	210	231	219	231	285	242	258	958
Electricity bill	1,123	1,197	1,234	1,225	1,000	1,004	910	1,210	1,076	1,338	839
2016											
Average total expenditure	24,774	20,479	25,638	25,153	23,768	22,679	22,203	30,574	25,635	26,784	17,391
Gas	382	330	371	378	387	412	428	395	411	360	326
Water bill & Waste Water bill ²	252	330	231	207	232	213	228	282	245	274	246
Electricity bill	1,111	1,214	1,186	1,172	1,041	982	942	1,166	1,040	1,391	828

¹ Continuous Multipurpose Household Survey² Separate figures for Waste Water bill are not available as from 2009

Table 6.11 - Average household expenditure as at CMPHS¹ and average actual price of LPG, electricity and water 2007 - 2016

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Gas	338.5	345.1	334.9	331.4	341.0	351.0	427.0	393.0	410.0	382.0
Electricity Bill	623.6	712.4	795.5	830.8	939.0	972.0	1129.0	1075.0	1123.0	1111.0
Water bill & Waste water bill	190.4	188.2	191.0	189.6	199.0	214.0	273.0	247.0	253.0	252.0
Average price Cooking gas (LPG)	315.00	314.60	300.00	300.00	300.00	325.00	330.00	330.00	330.00	305.00
Average domestic tariff of electricity	3.83	4.82	5.07	5.25	5.61	5.71	5.72	5.76	5.77	5.76
Average domestic tariff* of water	7.53	7.06	7.14	7.20	7.07	9.46	9.49	9.49	9.42	9.47

* CWA tariffs of 2002 were amended by the water supply regulations of 2011 which became effective as from Jan 2012

Figure 6.10 - Percentage household expenditure on gas by district, CMPHS¹ 2012 - 2016

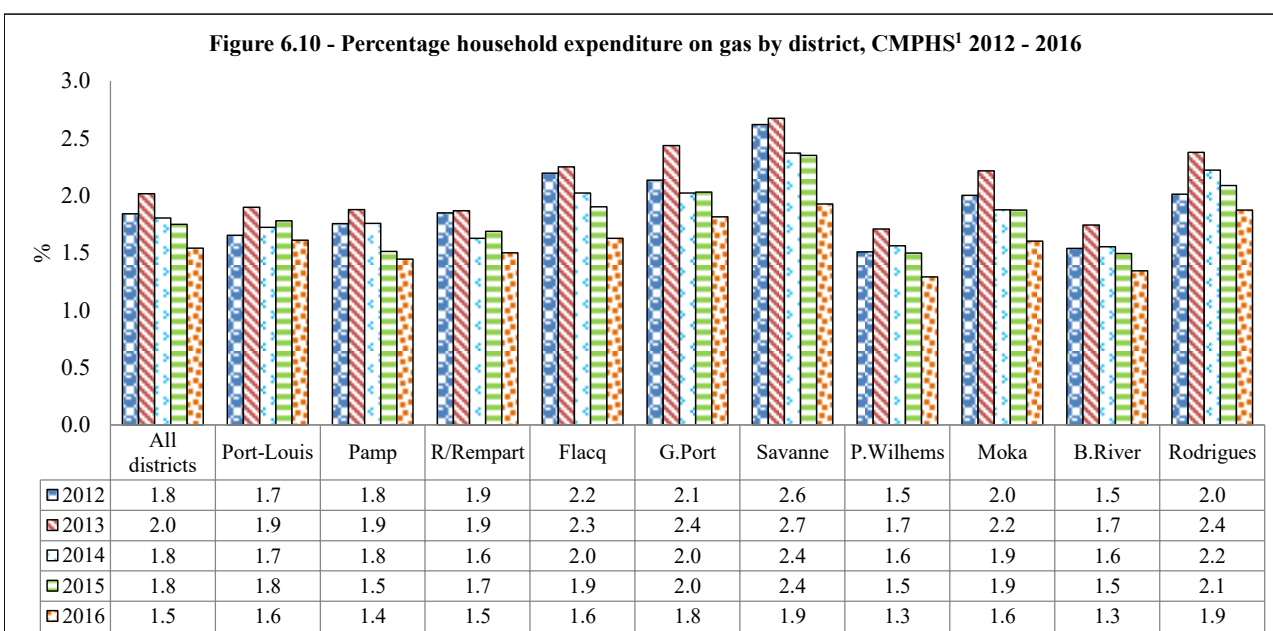
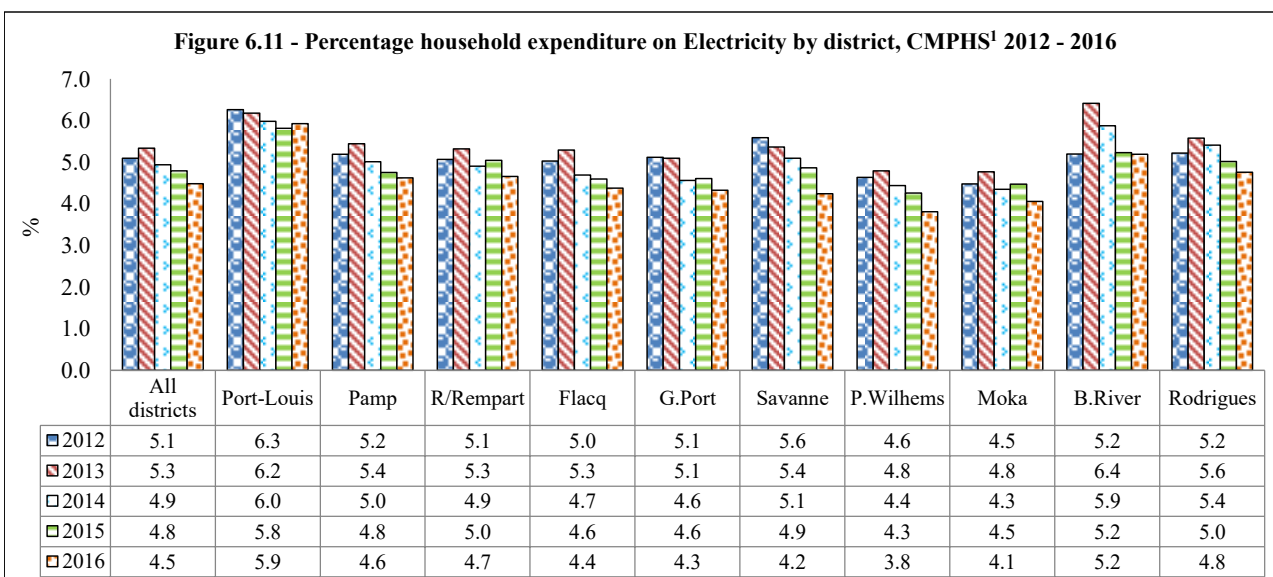


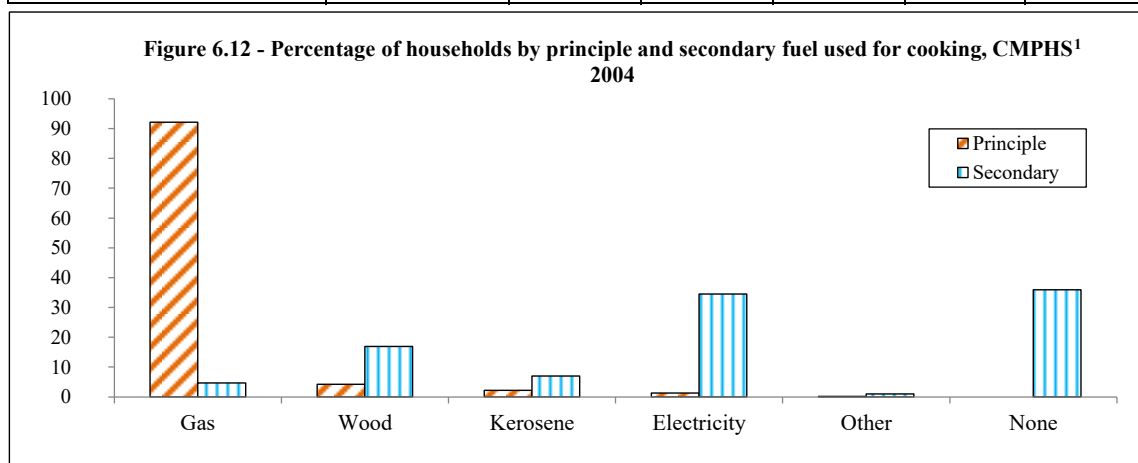
Figure 6.11 - Percentage household expenditure on Electricity by district, CMPHS¹ 2012 - 2016



¹ Continuous Multipurpose Household Survey

Table 6.12 - Percentage of households by principal and secondary fuel used for cooking - CMPHS¹ 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

Table 6.13 - Percentage of households by main source of energy used for heating water for bathing - CMPHS¹ 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 6.14 - Percentage of households by measures taken to reduce electrical energy consumption- CMPHS¹ 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

Note: Figures are based on sample results of 8,640 households surveyed

Table 6.15 - Findings from 'Energy Use' module of CMPHS¹ 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

Table 6.16 - Percentage of households equipped with solar water heater, CMPHS¹ 2012

Solar Water Heater	% of households
Equipped	19.7
Not Equipped	80.3
<i>Interested to buy</i>	<i>41.2</i>
<i>Not interested to buy</i>	<i>39.1</i>
Total	100.0

Table 6.17 - Percentage of households not interested to buy a solar water heater by reason, CMPHS¹ 2012

Reason	% of households
Not necessary	51.8
Too expensive	40.5
Not appropriate for region	2.6
Other reasons	5.1
Total	100.0

Table 6.18 - Percentage of households by measures taken to reduce electrical energy consumption, CMPHS¹ 2012

Measure	% of households reporting
Turning off lights when not in use	97.5
Turning off electrical appliances when not in use	80.1
Use of low consumption electrical bulbs	73.8
Use of other types of fuel instead of electricity for cooking	73.5
Use of other types of fuel instead of electricity for water heating	62.7
Iron clothes in batch	52.5
Other measures	0.7

¹ Continuous Multipurpose Household Survey

Note: Figures are based on sample results of 5,640 households surveyed

Table 6.19 - Percentage of households equipped with Air Conditioner, CMPHS¹ 2014

Air Conditioner	% of households
Equipped	14.2
<i>Measures taken to reduce energy consumption while using air conditioner:</i>	
- Close doors and windows	98.3
- Clean filters regularly	83.0
- Other	18.5
Not Equipped	85.8
Total	100.0

Table 6.20- Percentage of households using alternatives to Air Conditioner in their home, CMPHS¹ 2014

Alternatives to Air Conditioner	% of households
Alternatives to air conditioner favoured at home:	
- Cross ventilation of rooms	59.3
- Use of electric fans	91.1
- Use of heat reflecting paint on roof to reduce heat gain	6.9
- Plant trees to shade home from the sun	48.7
- Other measures	1.0

Table 6.21 - Percentage of households aware of Energy Efficiency Label, CMPHS¹ 2014

Energy Efficiency Label	% of households
Aware of an Energy Efficiency Label	34.8
- Willing to buy an energy efficient electric appliance	29.7
- Not willing to buy energy efficient electric appliance	5.1
Not Aware	65.2
Total	100.0

Table 6.22 - Percentage of households by measures taken to reduce energy consumption, CMPHS¹ 2014

Measures	% of households
Turn on your yard lighting only when necessary	73.7
Use solar powered yard lighting	2.5
Favour the use of pressure cooker to reduce cooking time	78.2
Use pre-heated water, through solar water heater, for boiling	14.4
Adjust thermostat of refrigerator accordingly in summer and winter	35.8
Keep refrigerator shaded from direct sunlight	71.0
Do not leave refrigerator door open unnecessarily	91.2
Use Washing machine at full load	68.9
Other measures	14.0

¹Continuous Multipurpose Household Survey

Note: Figures are based on sample results of 5,640 households surveyed