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STATISTICS - 2017**

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ENERGY AND WATER
STATISTICS - 2017**

DIGEST OF ENERGY AND WATER STATISTICS - 2017

FOREWORD

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

This report presents latest statistics on energy for the years 2008 to 2017 and on water for the period 2013 to 2017. 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, Mauritius 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 Producer
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 most used as a fuel within the sugar milling factories.
Bunkers	Refer to the amount of fuels delivered to ocean-going ships or aircraft of all flags engaged in international traffic. Deliveries to ships engaged in transport in inland and coastal waters, or to aircraft engaged in domestic flights, are not included.
Calorific values	The energy content of a fuel is equivalent to the heat released on complete combustion of the fuel.
Capacity	The maximum power available from a power station at a point in time: <ul style="list-style-type: none"> - <i>Installed capacity</i>: The nameplate capacity of the generator set. - <i>Plant capacity</i>: The net capacity measured at the terminals of the stations, i.e., after deduction of the power absorbed by the auxiliary installations and the losses in the station transformers. - <i>Effective capacity</i>: It is the plant capacity less any amount of derated capacity from the installed 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 (5,700 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	<p>Energy consumption by final user, i.e. energy which is not being used for transformation into other forms of energy. The consumption by sector is presented as follows:</p> <ul style="list-style-type: none"> - <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.
IPPs (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 (excl. 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/re-used.
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 – 2017

Introduction

This issue of the ‘Digest of Energy and Water Statistics, 2017’ covers the period 2008 to 2017 for energy statistics, and the years 2013 to 2017 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), Mauritius 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 0.46 in 2017 compared to 0.47 in 2016. 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 2017, Total Primary Energy Requirement added up to 1,599,774 tonne of oil equivalent (toe) and the Total Energy Consumption was 978,822 toe.

From 2016 to 2017, Total Primary Energy Requirement increased by 3% from 1,555,311 toe to 1,599,774 toe and Total Energy Consumption by 3% from 951,072 toe to 978,822 toe (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.

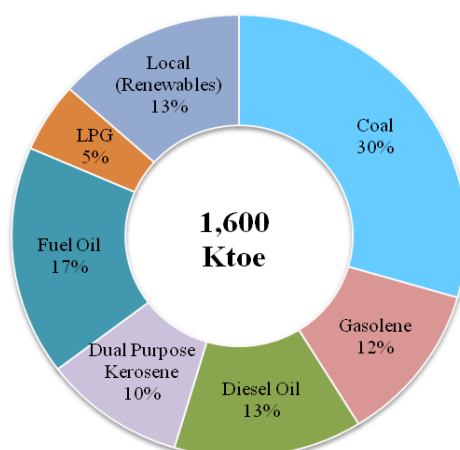
In 2017, total primary energy requirement was around 1,600 ktoe, comprising 57.1% of petroleum products, 29.5% of coal and 13.4% of renewables. Compared to 2016, there was an increase of 2.9% from 1,555 ktoe (Table 2.1).

Consequently, this led to an increase of nearly 3.3% in the per capita primary energy requirement from 1.23 toe in 2016 to 1.27 toe in 2017.

2.3.1 Primary energy requirement from fossil fuels

In 2017, out of 1,600 ktoe of the total primary energy requirement, around 87% was met from imported fossil fuels and 13% from local sources (renewables).

Figure I - Total Primary Energy Requirement, 2017



The share of the different fossil fuels within the total primary energy requirement in 2017 was as follows: coal (30%), fuel oil (17%), diesel oil (13%), gasolene (12%), dual purpose kerosene (10%) and Liquefied Petroleum Gas (LPG) (5%).

From 2016 to 2017, energy supply from petroleum products increased by 4.7% from 873 ktoe to 914 ktoe. Supply of coal also, increased by 3.5% from 455 ktoe to 471 ktoe (Table 2.1).

2.3.2 Primary energy requirement from local sources (renewables)

In 2017, primary energy requirement obtained from local renewable accounted for around 13% (215 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 5.3% from 227 ktoe in 2016 to 215 in 2017. This was due to a decrease of 5.8% in the production of bagasse from 206 ktoe in 2016 to 194 ktoe in 2017, 10.5% for hydro from 8.6 ktoe to 7.7 ktoe, 6.3% for landfill gas from 1.6 ktoe to 1.5 ktoe and 13.3% for wind from 1.5 ktoe to 1.3 ktoe. On the other hand, photovoltaic went up by 30.8% from 2.6 ktoe to 3.4 ktoe.

2.3.3 Imports of energy sources

In 2017, some 2,531.4 ktoe of fossil fuel comprising petroleum products and coal, were imported. Coal constituted around 35% of fossil fuel imports, fuel oil 24.6%, diesel oil 13.8%, dual purpose kerosene 12.8%, gasolene 7.3% and LPG 6.4%.

Compared to 2016, imports of petroleum products went up by 11.6%, from 1,474 to 1,645 ktoe and those of coal by 54.5%, from 574 to 887 ktoe (Table 2.3).

From 2016 to 2017, the import bill of petroleum products and coal increased by 36% from Rs 21,610 million to Rs 29,405 million, and accounted for around 16.3% of the total imports bill (Figure 2.4).

During the same period, changes in the average imports price of petroleum products were registered as follows: coal (-2.3%), gasolene (+15.9%), diesel oil (+13.5%), dual purpose kerosene (+17.1%), fuel oil (+34.9%) and LPG (+43.6%).

2.3.4 Re-exports and bunkering

Out of the 2,531 ktoe of imported energy sources in 2017, around 617 ktoe were supplied to bunkering of energy sources, accounted to 327 ktoe of fuel oil (53%), 160 ktoe of aviation fuel (26%) and 130 ktoe of diesel oil (21%) .

From 2016 to 2017, re-exporting and bunkering of energy sources increased by 9%, from 566 ktoe in 2016 to 617 ktoe in 2017 (Table 2.6).

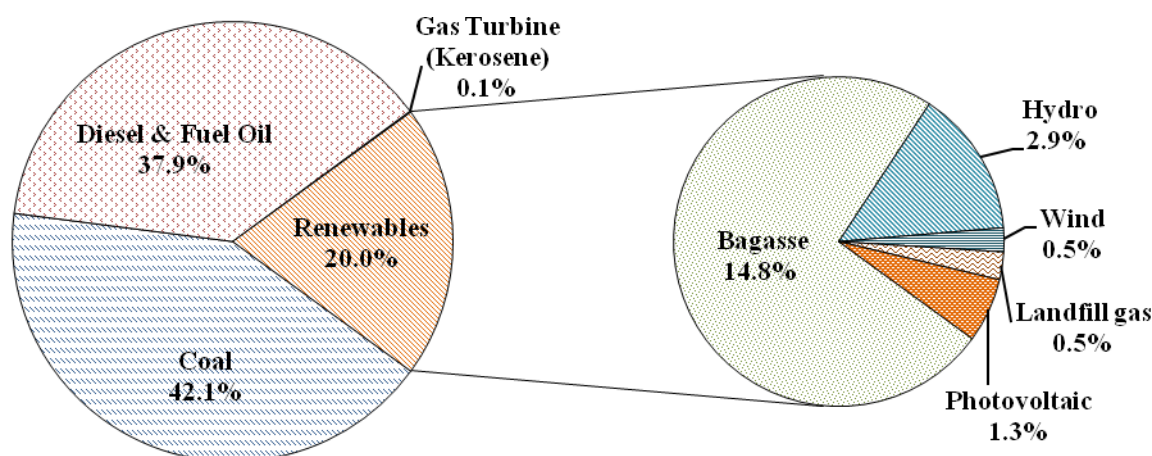
2.4 Electricity generation

The peak power demand in 2017 reached 462 MW for the Island of Mauritius and around 8 MW for Rodrigues. Compared to 2016, the peak power demand for the Island of Mauritius decreased by 1.3% from 468 MW to 462 MW in 2017 (Table 3.1).

Some 3,120 GWh (268 ktoe) of electricity was generated in 2017. Around 80% (2,496 GWh or 215 ktoe) of the electricity was generated from non-renewable sources, mainly coal and fuel oil while the remaining 20% (624 GWh or 54 ktoe) were from renewable sources, mostly bagasse (Table 3.3).

The share of electricity generated by energy sources in 2017 is depicted in the chart below:

Figure II – Percentage share of energy sources in the electricity production, 2017



The main energy source for electricity generation was coal (42.1 %), followed by diesel and fuel (37.9 %) and renewable sources (20 %).

Between 2016 and 2017,

- Total electricity generated increased by 2.6 % from 3,042 GWh to 3,120 GWh;
- Electricity generated from coal increased by 3.6% from 1,267 GWh to 1,312 GWh and that from fuel oil and diesel together increased by 6.4% from 1,110 GWh to 1,181 GWh; and
- Electricity generated from renewable sources decreased from 663 GWh to 624 GWh, down by 5.9%. Landfill gas went down by 10.5% from 19 GWh to 17 GWh, bagasse by 6.8% from 497 GWh to 463 GWh, hydro by 10% from 100 GWh to 90 GWh and wind decreased by 16.7% from 18 GWh to 15 GWh. On the other hand, photovoltaic increased by 30% from 30 GWh to 39 GWh.

Table 3.6 shows that the IPPs produced around 59% of the total electricity generated and the CEB, the remaining 41%. 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 2017, coal (52.7 %) was the major fuel used to produce electricity followed by fuel oil (26.9 %) and bagasse (20.2 %);
- Between 2016 and 2017, fuel input increased by 2.6% from 833 ktoe to 855 ktoe;

- Input of fuel oil increased by 7%, from 215 ktoe in 2016 to 230 ktoe in 2017 while that of coal increased by 3.7%, from 435 ktoe in 2016 to 451 ktoe in 2017;
- Some 173 ktoe of bagasse was used to produce electricity in 2017 compared to 181 ktoe in 2016, down by 4.4%.

2.4.2 Electricity sales and consumption

Electricity sales in 2017 stood at around 2,618 GWh, out of which commercial sector accounted for the largest share (36%), followed by domestic (33%), and industrial (29%) sectors.

From 2016 to 2017, electricity sales increased by 2.3% from 2,559 GWh to 2,618 GWh, while the average sales price of electricity remained at around Rs 6 per kWh.

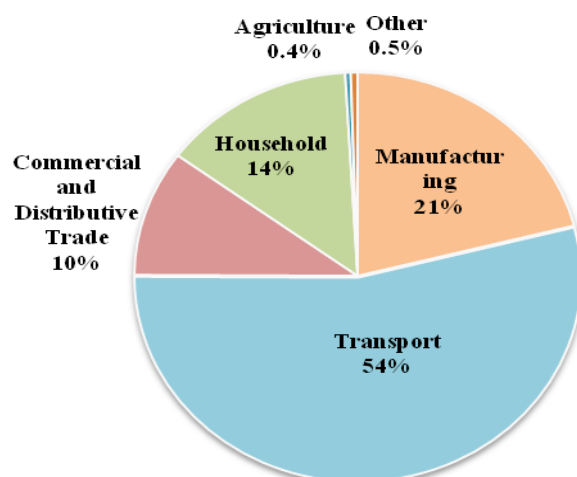
The per capita consumption of electricity sold increased from 2,025 kWh in 2016 to 2,070 kWh in 2017, showing an increase of 2.2%.

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 2017, final energy consumption was estimated at around 979 ktoe (Table 4.4). The two main energy-consuming sectors were “Transport” and “Manufacturing”, accounting respectively for 54.2% and 21% of the final energy consumed. These sectors were followed by the household sector (13.7 %), commercial and distributive trade (10.2%) and agriculture (0.4 %).

Figure III – Final Energy Consumption by sector, 2017



Final energy consumption increased by 2.9% from 951 ktoe in 2016 to 979 ktoe in 2017.

2.5.1 Transport

Energy consumed by the “Transport” sector, which represented around 54.2% of the total final energy consumption went up by 4.7% from 506 ktoe in 2016 to 530 ktoe in 2017.

From 2016 to 2017, consumption of fuel for land transport increased from 349 ktoe to 361 ktoe (+3.4%); from 148 ktoe to 160 ktoe (+8.1%) for aviation fuel and, from 9 ktoe to 10 ktoe (+11.1%) for sea transport.

2.5.2 Manufacturing

Some 206 ktoe (around 21%) of the total final energy consumption was used by the manufacturing sector in 2017 against 207 ktoe in 2016, a drop by less than 1%. The main energy consumed by the sector was as follows: electricity (85 ktoe), fuel oil (36 ktoe), diesel oil (36 ktoe), bagasse (22 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% from 98 ktoe in 2016 to 100 ktoe in 2017.

Electricity was the main source of energy in the “Commercial and Distributive Trade” sector and its consumption increased from 80 ktoe to 82 ktoe (+2.5 %). LPG consumption also went up by 5.9% from 17 ktoe to 18 ktoe.

2.5.4 Household

Final energy consumed by households (excluding transport) represented around 14% (134 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 2016 and 2017, household consumption of electricity rose by 1.4% from 74 ktoe to 75 ktoe while that of LPG remained almost same, at around 54 ktoe.

2.5.5 Agriculture

Final energy consumption in the agricultural sector stood at 4.2 ktoe in 2017, representing around 0.4% of the total final energy consumption. Electricity and diesel were the two sources of energy used in this sector. In 2017, some 2 ktoe of electricity were used mainly for irrigation compared to 2.2 ktoe in 2016 and another 2.2 ktoe of diesel oil was used for mechanical operations in fields, compared to 2.3 ktoe in 2016.

3. Water

3.1 Water balance

In 2017, Island of Mauritius received 3,991 million cubic metres (Mm³) of precipitation (rainfall). Only 10% (399 Mm³) of the precipitation went as ground water recharge, while evapotranspiration and surface runoff accounted for 30% (1,197 Mm³) and 60% (2,395 Mm³) respectively (Figure 5.1).

3.2 Water utilisation

Total water utilisation was estimated at 927 Mm³ in 2017. The agricultural sector accounted for 37% (341 Mm³) of the water utilised. Hydropower constituted 34% (312 Mm³) and domestic, industrial and tourism sector represented the remaining 28% (262 Mm³) (Table 5.2).

Compared to 2016, water utilisation went down by 3.5%, from 961 to 927 Mm³ with changes in hydropower (-8.5 %) and agricultural (-2.8 %).

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 2017, the mean amount of rainfall recorded around the Island of Mauritius was 2,134 millimetres (mm), representing an increase of 12.6% compared to 1,896 mm in 2016. An increase of 6.5% from the long term (1981-2010) mean of 2,003 mm was also noted.

The wettest month in 2017 was May with a mean of 367 mm, which represented an increase of more than two fold relative to the long term (1981-2010) mean of 148 mm. September was the driest month with a mean of 56 mm of rainfall, registering a deficit of 42% compared to the long term (1981-2010) mean of 96 mm.

The mean rainfall registered in Rodrigues at Point Canon in 2017 was 970 mm compared to 840 mm in 2016, up by 15.5%. The highest amount of rainfall with 174 mm was recorded in the month of April while the least amount was in December with 20 mm (Table 5.6).

3.4 Water storage level

In 2017, 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	47 (February)	100 (May and August)
Midlands Dam	25.50	36 (January)	100 (May to August)
La Ferme	11.52	29 (January & December)	87 (June)
Mare Longue	6.28	52 (May)	100 (May and August)
La Nicolière	5.26	32 (December)	100 (March to June and August to September)
Piton du Milieu	2.99	38 (January)	100 (February to August)

The mean percentage water level for all reservoirs (excluding Midlands Dam) varied from 49% to 95% in 2017. 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 2017, the total volume of potable water treated by the different treatment plants was 261 Mm³, up by 5.7% compared to 247 Mm³ in 2016. The average production from surface water and boreholes represented 55% and 45% respectively in 2017 (Table 5.8).

3.6 Water sales and revenue collectible

Total volume of water sold in 2017 was 120 Mm³, out of which 87.5% constituted of potable water and the remaining 12.5% of non-treated water. Some 80 Mm³ of water were sold under domestic tariff accounting for around 67% of the total volume of water sold.

From 2016 to 2017, the total volume of water sold increased by nearly 1% from 119 Mm³ to 120 Mm³.

The amount of revenue collectible from the sales of water for the year 2017 was around Rs 1,504 million, representing an increase of 3.4%, over the amount of Rs 1,455 million collected in 2016 (Table 5.9).

Section I
Main Indicators
& Energy balance

Table 1.1 - Main energy indicators, 2008 - 2017

Indicators	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Mid-year population, Republic of Mauritius	Thousand	1,244	1,247	1,250	1,252	1,256	1,259	1,261	1,263	1,263	1,265
GDP in 2006 rupees ¹	Rs.Million	248,328	256,560	267,790	278,709	288,453	298,146	309,311	320,301	332,594	345,293
GDP index (2006 = 100) ¹		111.4	115.1	120.2	125.1	129.4	133.8	138.8	143.7	149.2	154.9
Total primary energy requirement ¹	ktoe	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	1,599.8
<i>Of which local (renewables)</i> ¹	%	18.8	17.5	16.9	16.2	15.6	15.1	14.2	16.4	14.6	13.4
Annual increase ¹	%	+1.6	-4.1	6.2	-0.3	+0.1	+1.9	+2.5	+2.9	+1.4	+2.9
Total primary energy requirement index (Base 2006 = 100) ¹		102.0	97.8	103.9	103.6	103.7	105.7	108.4	111.5	113.0	116.2
Total final energy consumption	ktoe	842	809	854	863	854	871	892	913	951	979
<i>Of which renewables</i>	%	5.4	5.4	5.8	5.4	4.8	4.5	3.9	4.1	3.3	2.8
Total electricity generated ¹	GWh	2,557	2,577	2,689	2,739	2,797	2,885	2,937	2,996	3,042	3,120
<i>Of which renewables</i> ¹	%	23.3	23.6	21.5	20.0	20.3	20.6	20.3	22.7	21.8	20.0
Total electricity sold	GWh	2,054	2,069	2,174	2,228	2,294	2,384	2,452	2,505	2,559	2,618
Average sales price of electricity	Rs/kWh	4.90	5.15	5.31	5.64	5.71	5.67	5.73	5.74	5.73	5.72
Efficiency Indicators											
Import dependency ¹	%	81.24	82.45	83.11	83.80	84.43	84.92	85.77	83.62	85.42	86.59
Energy intensity	toe per Rs.100,000 GDP at 2006 prices	0.57	0.52	0.53	0.51	0.49	0.49	0.48	0.48	0.47	0.46
Per capita primary energy requirement	toe	1.13	1.08	1.14	1.14	1.14	1.16	1.18	1.22	1.23	1.27
Per capita final energy consumption ¹	toe	0.68	0.65	0.68	0.69	0.68	0.69	0.71	0.72	0.75	0.77
Per capita consumption of electricity sold											
- Republic of Mauritius	kWh	1,651	1,659	1,739	1,779	1,827	1,894	1,945	1,984	2,025	2,070
- Island of Mauritius	kWh	1,683	1,692	1,774	1,816	1,866	1,934	1,986	2,026	2,067	2,114
- Island of Rodrigues	kWh	645	660	661	664	675	707	735	780	802	814
Per capita consumption of electricity consumed ¹	kWh	1,852	1,877	1,963	1,997	2,040	2,112	2,149	2,195	2,231	2,277
Electricity consumption per household	kWh	1,924	1,980	2,042	2,058	2,109	2,157	2,199	2,238	2,271	2,288

¹ Revised

Table 1.2- Energy balance, 2017 (tonne of oil equivalent)

		Tonnes of oil equivalent (toe)																
Source Flow	Fossil fuels								Renewables								Electricity	Total
	Coal	Petroleum products							Fuelwood	Charcoal	Hydro	Wind	Landfill Gas	Photo- ² voltaic	Bagasse	Total Renewables		
		Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG	Total Petroleum products										
Local production	-	-	-	-	-	-	-	-	6,352	-	7,723	1,256	1,455	3,370	194,328	214,485	-	214,485
Imports	886,942	186,009	350,145	322,134	2,110	622,719	161,371	1,644,489	-	-	-	-	-	-	-	-	-	2,531,431
Re-exports and bunkering	-	-	(130,033)	(159,931)	-	(327,136)	-	(617,101)	-	-	-	-	-	-	-	-	-	(617,101)
Stock change / Statistical error	(415,622)	1,697	(5,733)	(1,968)	(1,068)	(26,262)	(80,085)	(113,419)	-	-	-	-	-	-	-	-	-	(529,041)
Total Primary Energy Requirement²	471,320	187,706	214,379	160,235	1,042	269,321	81,286	913,969	6,352	-	7,723	1,256	1,455	3,370	194,328	214,485	-	1,599,774
Public electricity generation plant	-	-	(1,287)	-	(977)	(229,786)	-	(232,050)	-	-	(7,723)	(234)	-	(1)	-	(7,959)	109,780	(130,228)
Autoproducer plants	(450,533)	-	-	-	-	-	-	-	-	-	(1,022)	(1,455)	(3,369)	(172,609)	(178,455)	158,516	(470,472)	
Other transformation	-	-	-	-	-	-	-	-	(772)	376	-	-	-	-	(396)	-	-	(396)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(3,771)	(3,771)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(16,085)	(16,085)
Total Final Consumption²	20,787	187,706	213,092	160,235	66	39,535	81,286	681,919	5,580	376	-	-	-	-	21,719	27,675	248,441	978,822
Manufacturing sector	20,787	-	35,880	-	-	35,657	5,899	77,436	472	-	-	-	-	-	21,719	22,191	85,418	205,833
Transport sector ¹	-	187,706	175,004	160,235	-	3,877	3,581	530,403	-	-	-	-	-	-	-	-	-	530,403
Commercial and distributive trade sector	-	-	-	-	-	-	17,467	17,467	-	306	-	-	-	-	-	306	81,849	99,623
Household	-	-	-	-	66	-	54,012	54,077	5,108	70	-	-	-	-	-	5,178	75,035	134,290
Agriculture	-	-	2,208	-	-	-	-	2,208	-	-	-	-	-	-	-	-	2,010	4,218
Other ²	-	-	-	-	-	-	327	327	-	-	-	-	-	-	-	-	4,128	4,456

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

² Revised

Table 1.3 - Energy balance, 2017 (Terajoules)

Source Flow		Fossil fuels							Renewables							Terajoules(TJ)		
		Coal	Petroleum products						Fuelwood	Charcoal	Hydro	Wind	Landfill Gas	Photo-voltaic	Bagasse	Total Renewables	Electricity	Total
			Gasolene	Diesel	Aviation Fuel	Kerosene	Fuel Oil	LPG											Total Petroleum products
Local production	-	-	-	-	-	-	-	-	266	-	323	53	61	141	8,136	8,980	-	8,980
Imports	37,134	7,788	14,660	13,487	88	26,072	6,756	68,851	-	-	-	-	-	-	-	-	-	105,986
Re-exports and bunkering	-	-	(5,444)	(6,696)	-	(13,697)	-	(25,837)	-	-	-	-	-	-	-	-	-	(25,837)
Stock change / Statistical error	(17,401)	71	(240)	(82)	(45)	(1,100)	(3,353)	(4,749)	-	-	-	-	-	-	-	-	-	(22,150)
Total Primary Energy Requirement	19,733	7,859	8,976	6,709	44	11,276	3,403	38,266	266	-	323	53	61	141	8,136	8,980	-	66,979
Public electricity generation plant	-	-	(54)	-	(41)	(9,621)	-	(9,715)	-	-	(323)	(10)	-	-	-	(333)	4,596	(5,452)
Autoproducer plants	(18,863)	-	-	-	-	-	-	-	-	-	-	(43)	(61)	(141)	(7,227)	(7,472)	6,637	(19,698)
Other transformation	-	-	-	-	-	-	-	-	(32)	16	-	-	-	-	-	(17)	-	(17)
Own use	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(158)	(158)
Losses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	(673)	(673)
Total Final Consumption	870	7,859	8,922	6,709	3	1,655	3,403	28,551	234	16	-	-	-	-	909	1,159	10,402	40,981
Manufacturing sector	870	-	1,502	-	-	1,493	247	3,242	20	-	-	-	-	-	909	929	3,576	8,618
Transport sector ¹	-	7,859	7,327	6,709	-	162	150	22,207	-	-	-	-	-	-	-	-	-	22,207
Commercial and distributive trade sector	-	-	-	-	-	-	731	731	-	13	-	-	-	-	-	13	3,427	4,171
Household	-	-	-	-	3	-	2,261	2,264	214	3	-	-	-	-	-	217	3,142	5,622
Agriculture	-	-	92	-	-	-	-	92	-	-	-	-	-	-	-	-	84	177
Other	-	-	-	-	-	-	14	14	-	-	-	-	-	-	-	-	173	187

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

Table 1.4 - 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 Oil	LPG	Total Petroleum products										
Local production	-	-	-	-	-	-	-	-	6,416	-	8,557	1,544	1,608	2,606	206,076	226,807	-	226,807
Imports	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	83,429	206,862
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	79,775	97,455
Household	-	-	-	-	74	-	53,411	53,485	5,154	70	-	-	-	-	-	5,225	73,469	132,179
Agriculture	-	-	2,290	-	-	-	-	2,290	-	-	-	-	-	-	-	-	2,196	4,486
Other	-	-	-	-	-	-	315	315	-	-	-	-	-	-	-	-	4,132	4,448

Note: figures in brackets represent negative quantities

¹ includes fuel used for transport by all sectors

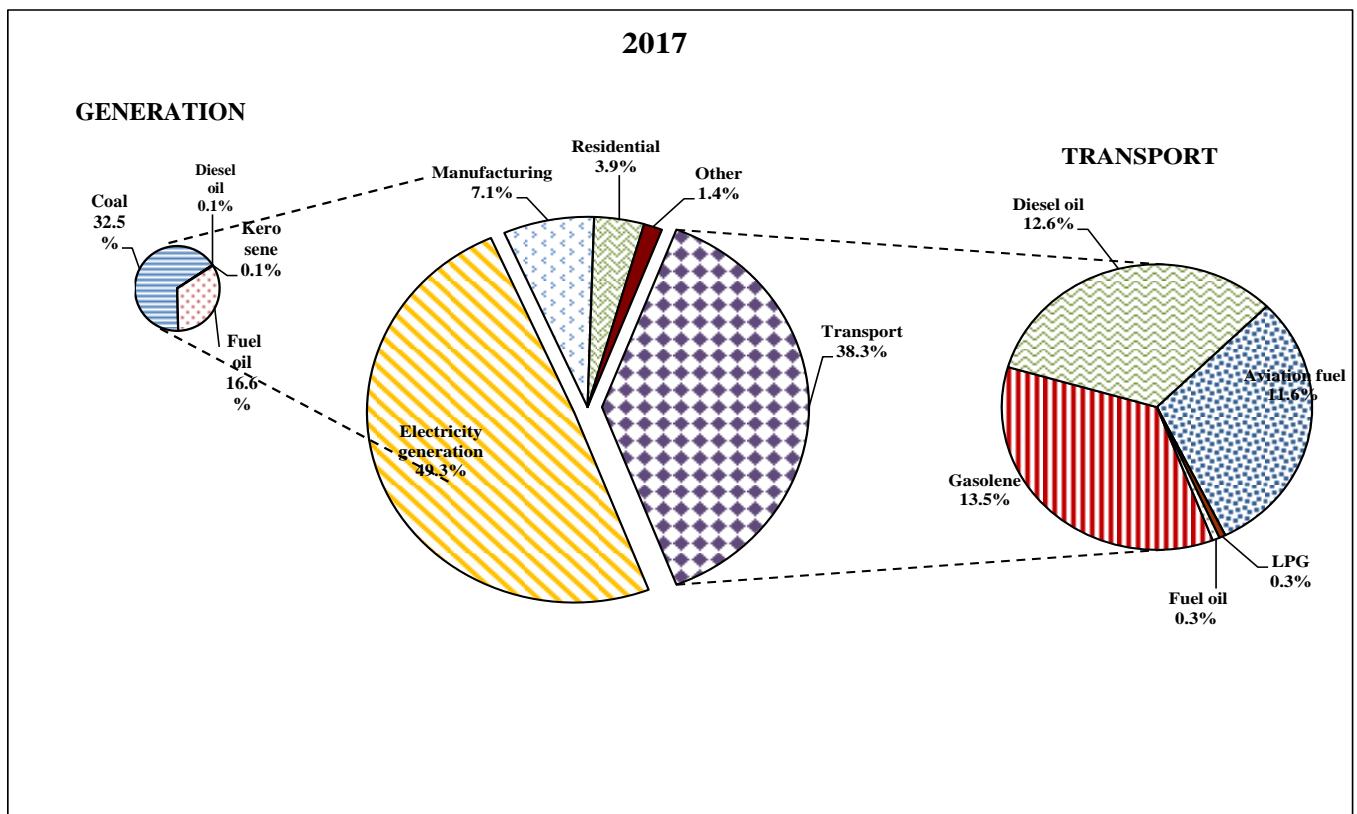
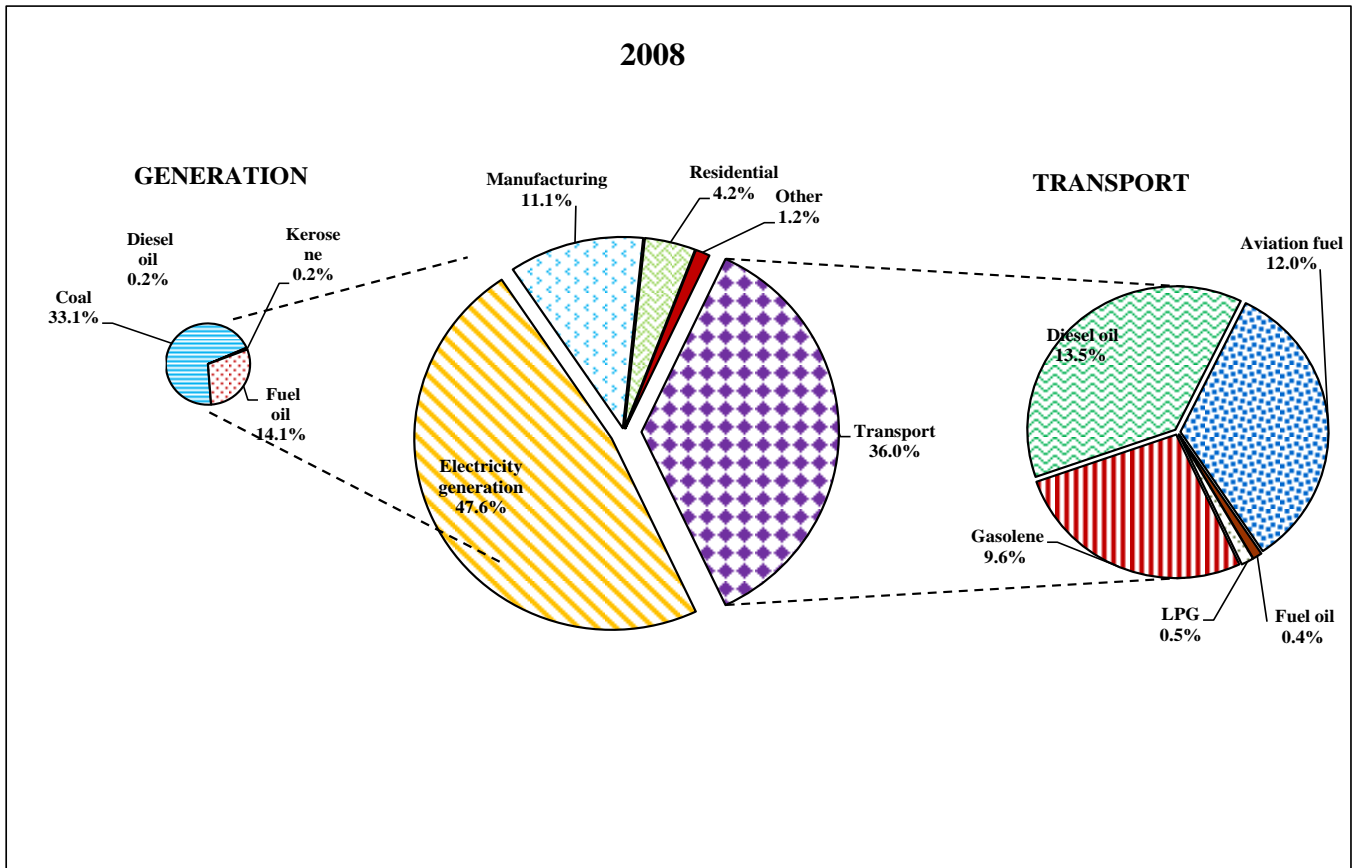
Table 1.5 - Energy balance, 2016 (Terajoules)

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											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	3,493	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	3,340	4,080
Household	-	-	-	-	3	-	2,236	2,239	216	3	-	-	-	-	-	219	3,076	5,534
Agriculture	-	-	96	-	-	-	-	96	-	-	-	-	-	-	-	-	92	188
Other	-	-	-	-	-	-	13	13	-	-	-	-	-	-	-	-	173	186

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 - 2008 and 2017



Section II
Primary Energy Requirement

Table 2.1 - Primary energy requirement, 2008 - 2017

Energy source	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017 ¹
	Physical unit (Thousand tonne\GWh)									
Imported (Fossil fuels)										
Coal	651.4	595.7	667.8	641.5	674.8	710.7	742.5	720.8	734.4	760.2
Petroleum products										
Gasolene	101.4	111.7	118.2	120.4	126.5	132.1	140.5	151.0	165.7	173.8
Diesel Oil	203.4	204.6	211.5	208.0	211.3	205.0	206.0	207.5	208.4	212.3
Dual Purpose Kerosene	135.5	112.6	126.3	133.3	114.3	116.9	122.8	120.4	142.7	155.1
<i>Kerosene</i>	3.9	6.4	7.7	4.2	3.7	0.8	0.8	0.9	0.8	1.0
<i>Aviation Fuel</i>	131.6	106.2	118.6	129.2	110.6	116.1	122.0	119.6	141.9	154.1
Fuel Oil	222.2	237.4	241.9	258.4	255.7	258.9	265.5	270.0	265.0	280.5
LPG	62.9	63.8	65.0	65.9	67.3	69.3	71.0	73.3	74.9	75.3
Local (Renewables)										
Hydro GWh	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5	89.8
Wind GWh	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	18.0	14.6
Landfill Gas GWh	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7	16.9
Photovoltaic GWh	-	-	-	-	0.9	2.7	24.6	25.9	30.3	39.2
Bagasse ²	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	1,214.6
Fuelwood ²	20.3	20.3	20.3	20.1	19.8	19.2	18.3	17.1	16.9	16.7
	Energy unit (ktoe)									
Imported (Fossil fuels)	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	1,385.3
Coal	403.9	369.3	414.1	397.7	418.4	440.6	460.3	446.9	455.3	471.3
Petroleum products	737.0	741.2	775.0	798.0	786.9	794.7	819.0	836.3	873.2	914.0
Gasolene	109.5	120.6	127.7	130.0	136.6	142.7	151.7	163.0	178.9	187.7
Diesel Oil	205.4	206.7	213.6	210.1	213.4	207.0	208.0	209.6	210.5	214.4
Dual Purpose Kerosene	140.9	117.2	131.3	138.7	118.8	121.6	127.7	125.2	148.4	161.3
<i>Kerosene</i>	4.0	6.7	8.0	4.3	3.8	0.9	0.9	0.9	0.8	1.0
<i>Aviation Fuel</i>	136.9	110.5	123.3	134.3	115.0	120.7	126.8	124.3	147.6	160.2
Fuel Oil	213.3	227.9	232.2	248.1	245.4	248.5	254.8	259.2	254.4	269.3
LPG	67.9	68.9	70.2	71.1	72.7	74.9	76.7	79.2	80.9	81.3
Local (Renewables)	263.5	236.3	241.6	231.1	222.3	219.4	212.3	251.3	226.8	214.5
Hydro	9.3	10.5	8.7	4.9	6.4	8.2	7.8	10.5	8.6	7.7
Wind	0.0	0.1	0.2	0.2	0.3	0.3	0.3	0.2	1.5	1.3
Landfill Gas	-	-	-	0.3	1.5	1.7	1.8	1.8	1.6	1.5
Photovoltaic	-	-	-	-	-	0.2	2.1	2.2	2.6	3.4
Bagasse	246.4	218.0	225.0	218.1	206.5	201.7	193.4	230.1	206.1	194.3
Fuelwood	7.7	7.7	7.7	7.6	7.5	7.3	6.9	6.5	6.4	6.4
Total	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	1,599.8
	Percentage (%)									
Imported (Fossil fuels)	81.2	82.5	83.1	83.8	84.4	84.9	85.8	83.6	85.4	86.6
Coal	28.8	27.4	28.9	27.9	29.3	30.3	30.9	29.1	29.3	29.5
Petroleum products	52.5	55.0	54.2	55.9	55.1	54.6	54.9	54.5	56.1	57.1
Gasolene	7.8	9.0	8.9	9.1	9.6	9.8	10.2	10.6	11.5	11.7
Diesel Oil	14.6	15.3	14.9	14.7	14.9	14.2	13.9	13.7	13.5	13.4
Dual Purpose Kerosene	10.0	8.7	9.2	9.7	8.3	8.4	8.6	8.2	9.5	10.1
<i>Kerosene</i>	0.3	0.5	0.6	0.3	0.3	0.1	0.1	0.1	0.1	0.1
<i>Aviation Fuel</i>	9.7	8.2	8.6	9.4	8.1	8.3	8.5	8.1	9.5	10.0
Fuel Oil	15.2	16.9	16.2	17.4	17.2	17.1	17.1	16.9	16.4	16.8
LPG	4.8	5.1	4.9	5.0	5.1	5.1	5.1	5.2	5.2	5.1
Local (Renewables)	18.8	17.5	16.9	16.2	15.6	15.1	14.2	16.4	14.6	13.4
Hydro	0.7	0.8	0.6	0.3	0.4	0.6	0.5	0.7	0.6	0.5
Wind	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Landfill Gas	-	-	-	-	-	0.1	0.1	0.1	0.1	0.1
Photovoltaic	-	-	-	-	-	-	0.1	0.1	0.2	0.2
Bagasse	17.5	16.2	15.7	15.3	14.5	13.9	13.0	15.0	13.2	12.1
Fuelwood	0.5	0.6	0.5	0.5	0.5	0.5	0.5	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

¹ Revised

Figure 2.1 - Percentage share of energy sources within the Primary Energy Requirement - 2008 and 2017

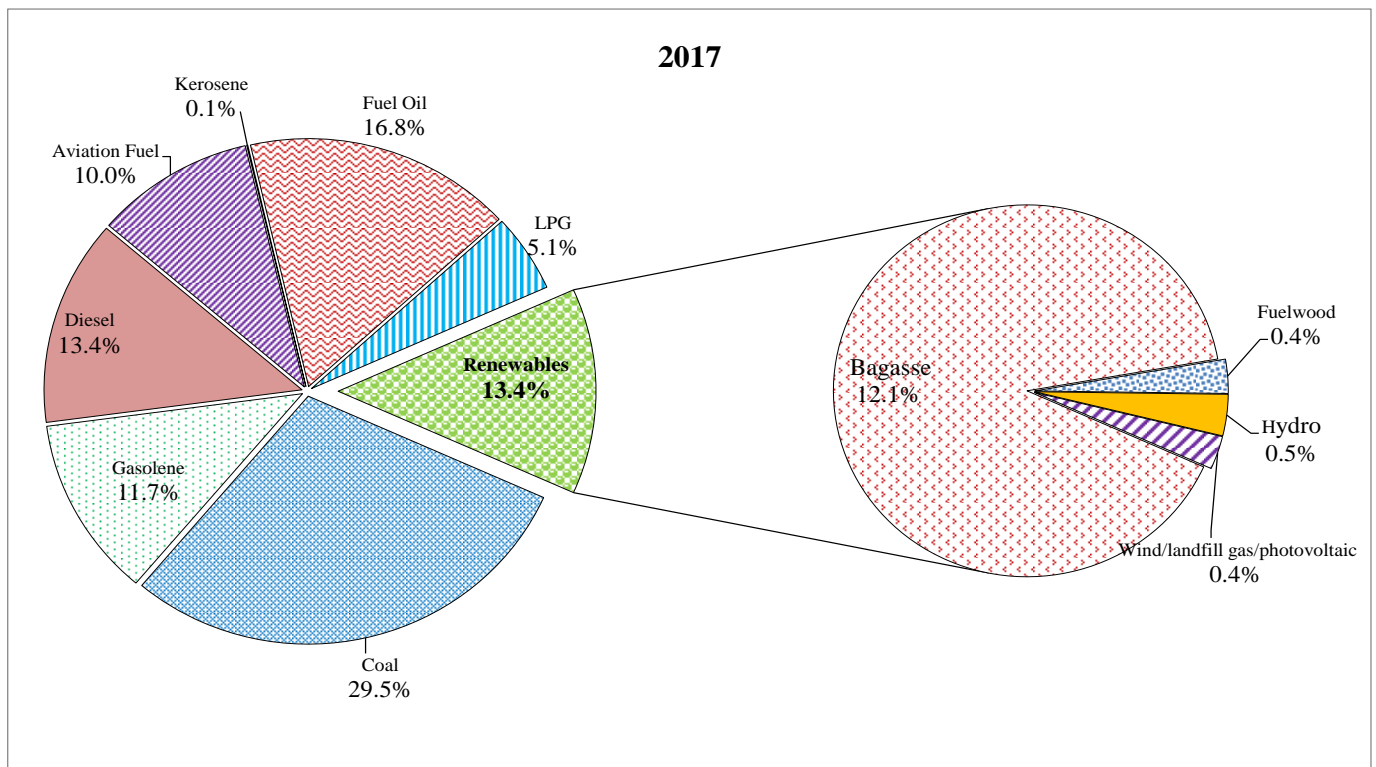
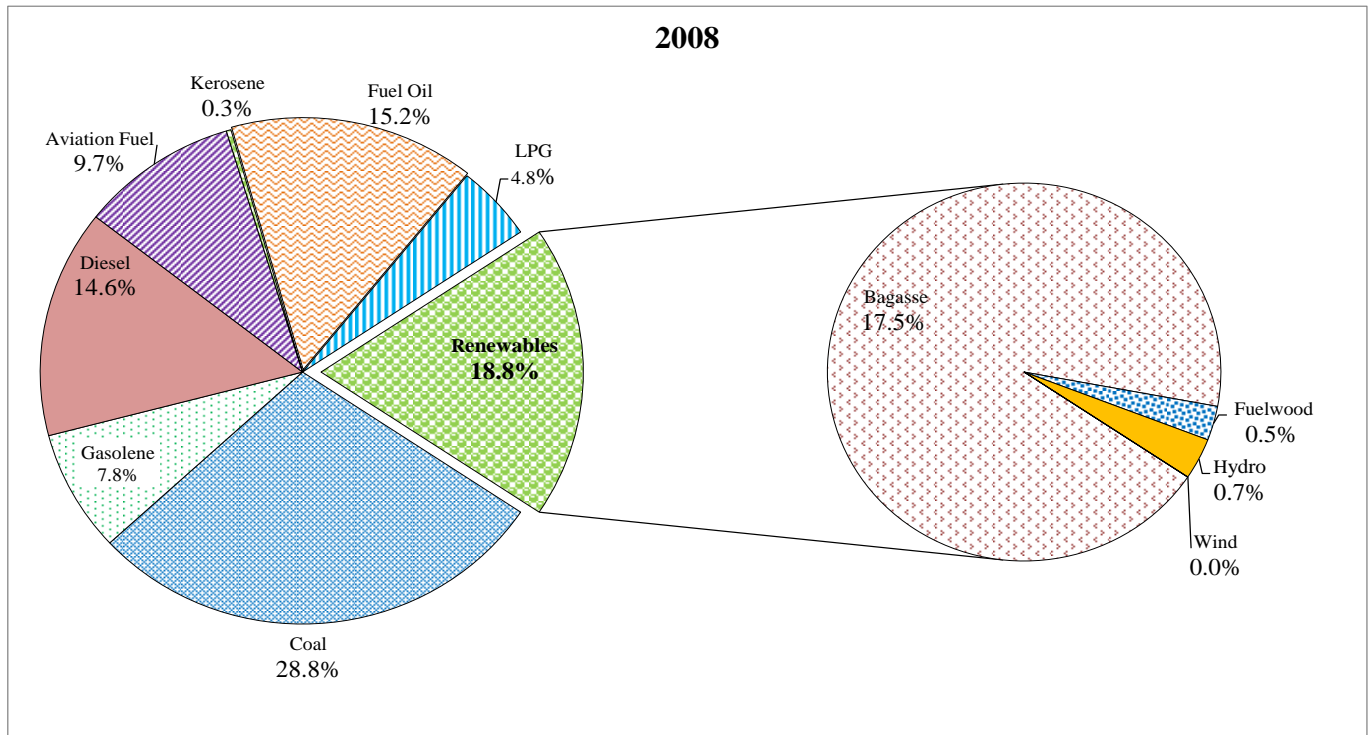


Figure 2.2 - Primary energy requirement by main energy sources, 2008 - 2017

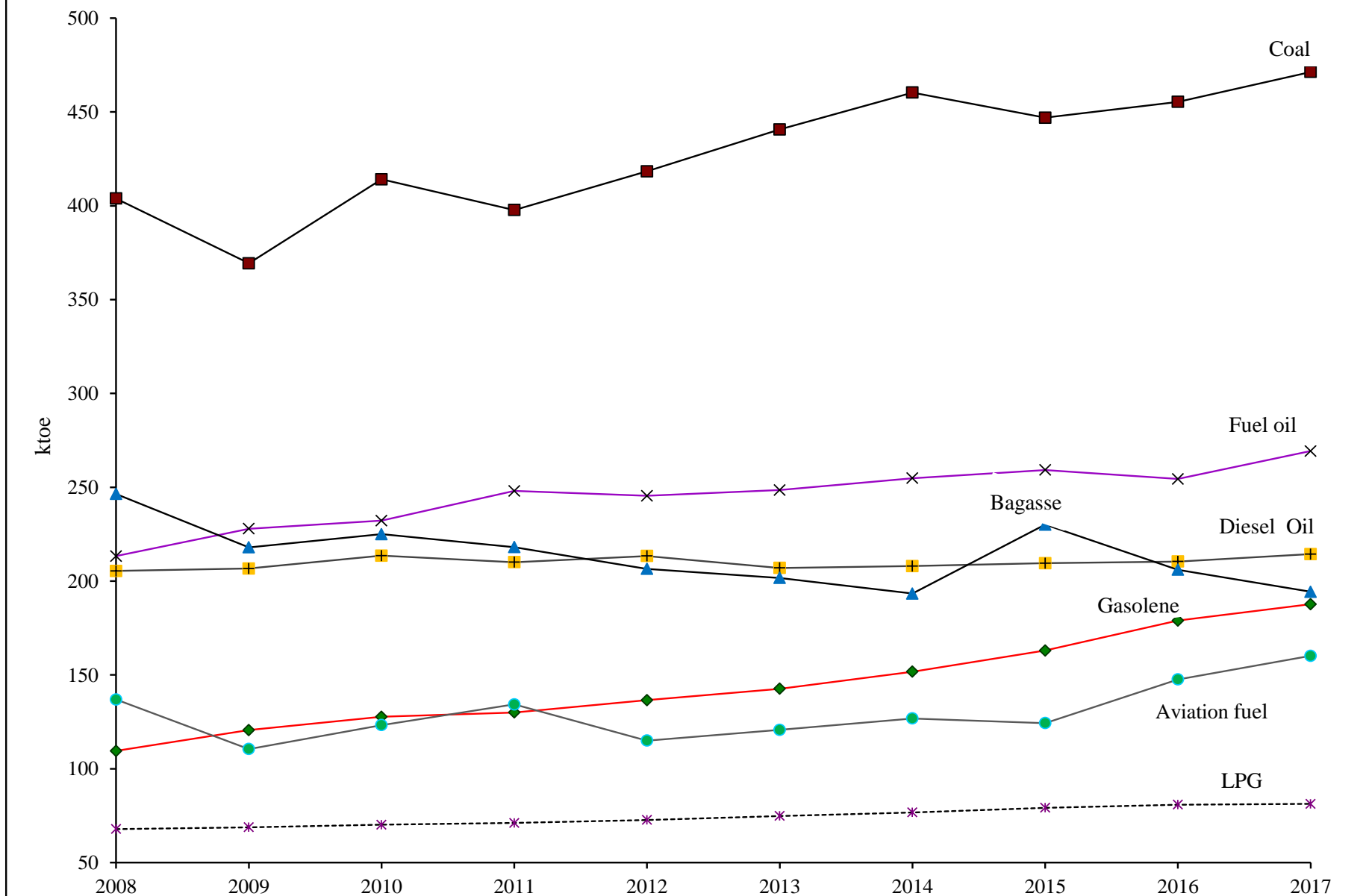


Table 2.2 - Imports of energy sources (Physical unit), 2008 - 2017

Thousand tonne

Energy source	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Fossil fuels										
Coal	606.5	559.9	660.6	660.2	729.3	708.3	771.8	804.2	925.5	1,430.6
Gasolene	108.5	104.4	120.9	116.7	128.2	138.2	137.9	154.7	168.8	172.2
Diesel oil	328.5	288.0	310.4	309.9	313.8	336.1	303.6	318.7	339.1	346.7
Dual Purpose Kerosene	268.1	208.8	241.6	230.7	220.1	243.9	234.2	271.3	287.2	311.8
<i>Aviation Fuel</i>	262.2	204.7	234.9	226.4	213.0	241.1	232.0	268.8	285.0	309.7
<i>Kerosene</i>	5.9	4.1	6.7	4.3	7.0	2.8	2.2	2.5	2.1	2.0
Fuel oil	291.0	343.7	341.5	434.8	401.2	429.1	406.4	445.1	489.7	648.7
LPG	63.1	62.6	62.7	66.3	67.9	68.2	75.6	72.5	167.0	149.4

Table 2.3 - Imports of energy sources (Energy unit), 2008 - 2017

ktoe

Energy source	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Fossil fuels										
Coal	376.0	347.1	409.6	409.3	452.2	439.2	478.5	498.6	573.8	886.9
Petroleum products	1,075.3	1,018.4	1,090.9	1,168.0	1,142.7	1,228.0	1,170.9	1,276.7	1,474.0	1,644.5
Gasolene	117.2	112.8	130.6	126.0	138.4	149.3	148.9	167.1	182.3	186.0
Diesel oil	331.7	290.9	313.5	313.0	316.9	339.5	306.7	321.9	342.5	350.1
Dual Purpose Kerosene	278.8	217.2	251.3	239.9	228.8	253.7	243.6	282.1	298.6	324.2
<i>Aviation Fuel</i>	272.7	212.9	244.2	235.4	221.5	250.7	241.3	279.6	296.4	322.1
<i>Kerosene</i>	6.1	4.3	7.0	4.5	7.3	3.0	2.3	2.6	2.2	2.1
Fuel oil	279.4	330.0	327.8	417.4	385.2	411.9	390.2	427.3	470.1	622.7
LPG	68.2	67.6	67.7	71.6	73.3	73.7	81.6	78.3	180.4	161.4
Total imports	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	2,531.4

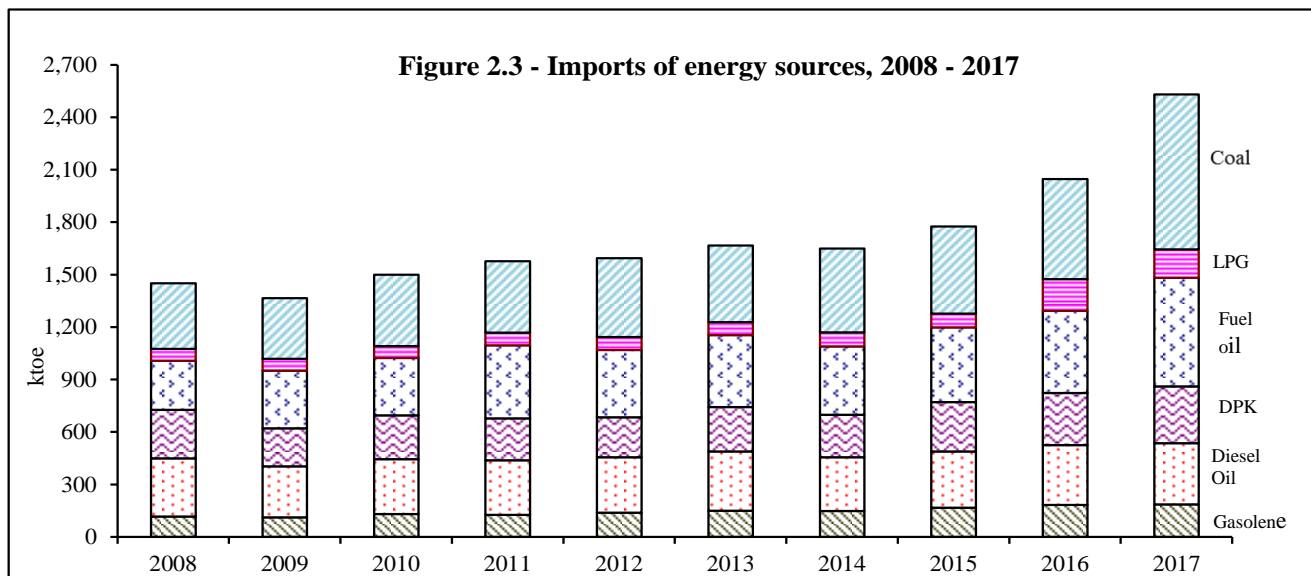


Table 2.4 - Imports of energy sources by country of origin (Physical unit), 2008 - 2017

Tonne

Country	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Coal	606,532	559,900	660,620	660,157	729,327	708,334	771,794	804,233	925,526	1,430,552
Mozambique	-	-	-	128,415	89,205	3,081	-	-	-	-
South Africa	606,532	559,900	660,620	531,742	640,108	705,240	771,744	804,233	925,525	1,349,314
Russian Fed	-	-	-	-	-	-	-	-	-	81,237
Other	-	-	-	-	14	13	50	-	1	1
Gasolene	108,509	104,435	120,932	116,680	128,170	138,216	137,893	154,724	168,830	172,231
India	108,509	104,435	120,932	116,680	128,170	138,216	137,882	154,724	168,819	160,205
Saudi Arabia	-	-	-	-	-	-	-	-	-	10,857
Seychelles	-	-	-	-	-	-	-	-	-	1,159
Other	-	-	-	-	-	-	11	-	11	10
Diesel	328,453	288,015	310,363	309,892	313,769	336,102	303,622	318,704	339,139	346,678
Bahrain	-	-	-	-	-	-	7,742	5,841	26,704	16,147
China	-	-	-	-	-	-	-	-	3,094	-
India	328,453	288,015	310,363	309,892	313,769	336,102	266,772	305,005	272,515	251,924
Saudi Arabia	-	-	-	-	-	-	-	-	22,808	45,890
Singapore	-	-	-	-	-	-	2,674	5,340	1,828	909
South Africa	-	-	-	-	-	-	26,434	2,517	6,160	5,243
UAE ¹	-	-	-	-	-	-	-	-	6,027	26,561
Other	-	-	-	-	-	-	0	1	3	5
Kerosene (excl. jet fuel)	5,910	4,144	6,749	4,292	7,043	2,843	2,208	2,496	2,126	2,029
India	5,910	4,144	6,749	4,292	7,043	2,843	2,206	2,496	2,125	1,929
Saudi Arabia	-	-	-	-	-	-	-	-	-	98
Other	-	-	-	-	-	-	2	0	1	2
Jet fuel type kerosene	262,206	204,700	234,851	226,392	213,003	241,065	231,976	268,799	285,029	309,744
India	262,206	204,700	234,851	226,392	213,003	241,065	231,975	268,798	285,029	289,971
Saudi Arabia	-	-	-	-	-	-	-	-	-	19,770
Other	-	-	-	-	-	-	1	1	-	3
Fuel Oil	291,046	343,739	341,465	434,793	401,205	429,072	406,433	445,140	489,712	648,666
India	291,046	343,739	341,465	434,793	401,205	429,072	381,615	398,021	351,336	327,493
Saudi Arabia	-	-	-	-	-	-	-	-	22,255	59,070
South Africa	-	-	-	-	-	-	-	233	51,130	177,019
UAE ¹	-	-	-	-	-	-	24,794	38,540	64,987	85,083
Ukraine	-	-	-	-	-	-	-	8,346	-	-
Other	-	-	-	-	-	-	24	0	4	1
LPG	63,110	62,561	62,712	66,330	67,902	68,221	75,581	72,459	166,998	149,418
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	-
Nigeria	-	-	-	-	-	-	-	-	-	2,600
Russian	-	-	-	-	-	-	-	-	8,636	-
Saudi Arabia	19,842	-	2,499	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	5,011	-	27,388	64,033
South Africa	6,571	-	-	12	-	-	14	-	28	37
UAE ¹	-	14,994	19,150	44,783	67,902	63,423	70,552	65,924	74,872	73,437
United states	-	-	-	-	-	-	-	-	19,384	9,296
Vietnam	-	3,579	-	-	-	-	-	-	-	-
Other	2,551	-	2,451	-	-	-	4	-	10	14

¹ United Arab Emirates

Table 2.5 - Imports value of energy sources by country of origin, 2008 - 2017

Value (c.i.f.): Rs(000)

Country	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Coal	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	2,861,104
Mozambique	-	-	-	509,746	326,700	9,306	-	-	-	-
South Africa	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	2,698,628
Russian Fed.	-	-	-	-	-	-	-	-	-	162,474
Other	-	-	-	-	43	39	127	-	962	2
Gasolene	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	3,624,814
India	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	3,332,028
Saudi Arabia	-	-	-	-	-	-	-	-	-	261,184
Seychelles	-	-	-	-	-	-	-	-	-	31,340
Other	-	-	-	-	-	-	324	-	263	261
Diesel	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	6,206,207
Bahrain	-	-	-	-	-	-	220,750	151,350	523,757	285,956
China	-	-	-	-	-	-	-	-	51,695	-
India	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	4,453,245
Saudi Arabia	-	-	-	-	-	-	-	-	404,251	892,376
Singapore	-	-	-	-	-	-	73,321	144,810	29,850	14,642
South Africa	-	-	-	-	-	-	748,216	67,435	100,575	93,255
UAE ¹	-	-	-	-	-	-	-	-	103,362	466,631
Other	-	-	-	-	-	-	9	27	80	102
Kerosene (excl. jet fuel)	174,630	77,095	154,537	108,353	215,562	88,155	62,030	47,608	34,095	37,732
India	174,630	77,095	154,537	108,353	215,562	88,155	61,977	47,594	34,055	35,686
Saudi Arabia	-	-	-	-	-	-	-	-	-	1,987
Other	-	-	-	-	-	-	48	7	34	60
Jet fuel type kerosene	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	5,782,081
India	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	5,379,062
Saudi Arabia	-	-	-	-	-	-	-	-	-	402,946
Other	-	-	-	-	-	-	29	30	16	73
Fuel Oil	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	8,032,961
India	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	3,904,788
Saudi Arabia	-	-	-	-	-	-	-	-	260,534	840,349
South Africa	-	-	-	-	-	-	-	3,231	510,946	2,246,717
UAE ¹	-	-	-	-	-	-	479,105	417,191	657,746	1,041,094
Ukraine	-	-	-	-	-	-	-	132,926	-	-
Other	-	-	-	-	-	-	505	12	76	14
LPG	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	2,860,631
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	-
Nigeria	-	-	-	-	-	-	-	-	-	56,345
Russian	-	-	-	-	-	-	-	-	98,641	-
Saudi Arabia	523,424	-	61,680	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	316,515	-	392,599	1,298,427
South Africa	181,107	-	-	329	-	-	393	-	928	995
UAE ¹	-	278,968	543,290	1,276,527	2,152,059	1,951,953	1,989,543	1,263,621	1,035,992	1,347,138
United states	-	-	-	-	-	-	-	-	253,287	157,338
Vietnam	-	75,226	-	-	-	-	-	-	-	-
Other	76,818	-	60,806	-	-	-	189	-	402	388
All energy	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	29,405,531
Percentage of total imports value	20.9%	15.2%	18.3%	20.9%	20.8%	21.1%	18.1%	13.8%	13.1%	16.3%

¹ United Arab Emirates

Figure 2.4 - Import value of energy sources as a percentage of total imports value, 2008 - 2017

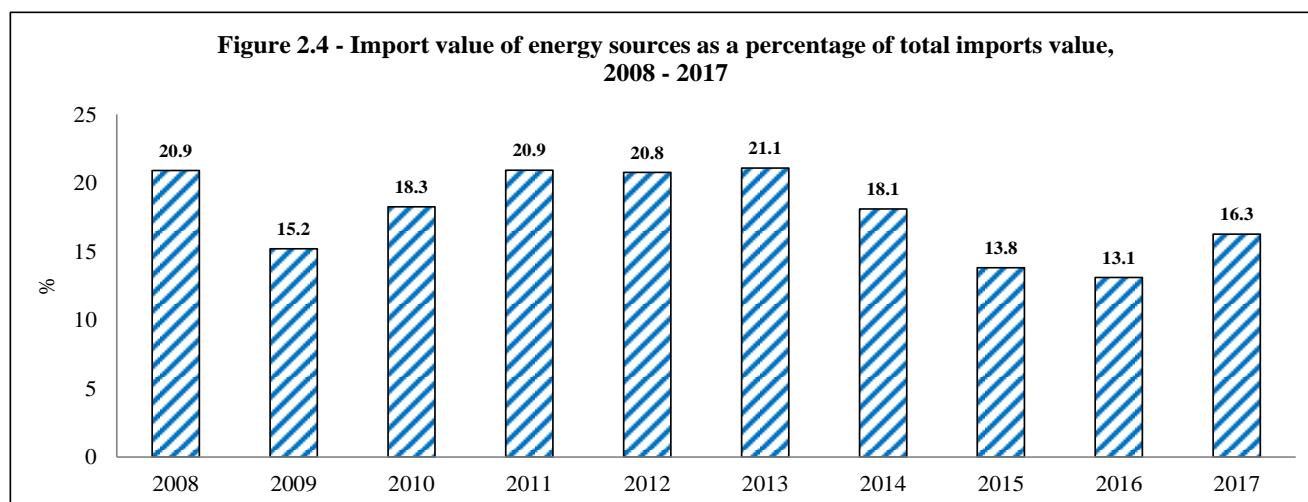


Table 2.6 - Re-exports and bunkering of energy sources, 2008 - 2017

Energy	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Thousand tonne										
Bunkering: Aviation fuel for foreign aircraft	125.5	112.7	115.0	118.7	110.3	115.9	121.7	141.9	141.6	153.8
Diesel oil	117.3	108.6	113.2	100.2	102.7	114.1	116.7	116.0	119.9	128.7
Fuel oil	96.2	107.7	123.4	185.0	163.3	156.1	170.6	166.8	217.0	340.8
Re-export: LPG	-	-	-	-	-	-	-	-	82.7	-
Ktoe										
Bunkering: Aviation fuel for foreign aircraft	130.5	117.2	119.6	123.5	114.7	120.5	126.6	147.5	147.3	159.9
Diesel oil	118.5	109.7	114.3	101.2	103.7	115.2	117.8	117.1	121.1	130.0
Fuel oil	92.3	103.4	118.5	177.6	156.8	149.8	163.7	160.2	208.3	327.1
Re-export: LPG	-	-	-	-	-	-	-	-	89.3	-
Total	341.3	330.3	352.4	402.3	375.2	385.6	408.2	424.8	566.0	617.1
Percentage share (%)										
Bunkering: Aviation fuel for foreign aircraft	38.2	35.5	33.9	30.7	30.6	31.3	31.0	34.7	26.0	25.9
Diesel oil	34.7	33.2	32.4	25.2	27.6	29.9	28.9	27.6	21.4	21.1
Fuel oil	27.1	31.3	33.6	44.2	41.8	38.9	40.1	37.7	36.8	53.0
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

Figure 2.5 - Re-exports and bunkering of energy sources (Ktoe), 2008 - 2017

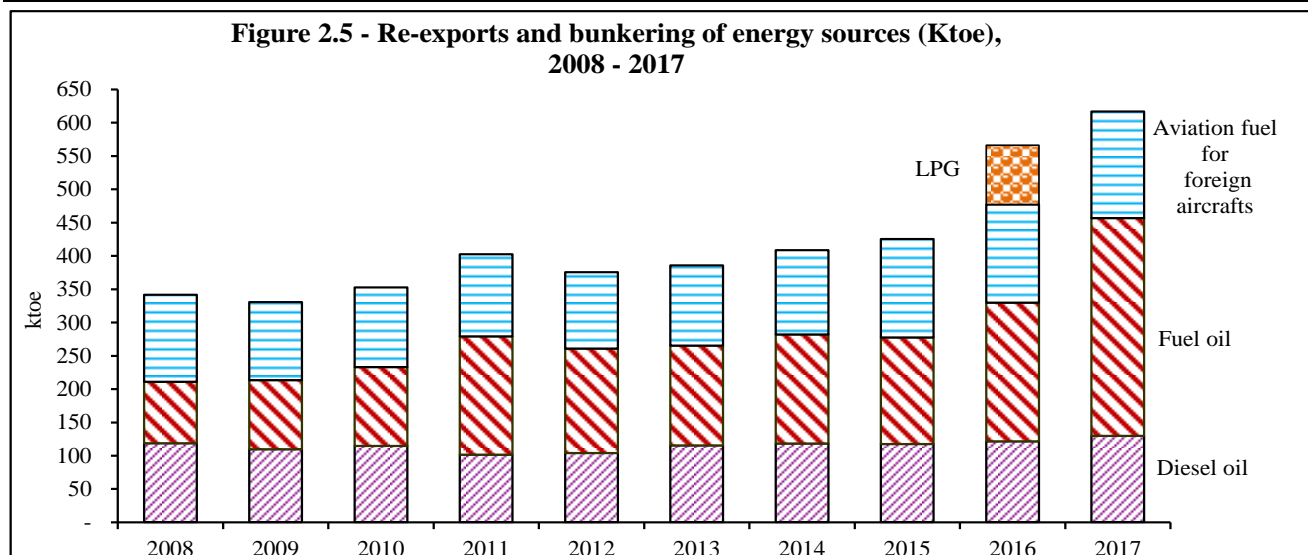


Table 2.7 - Average import price of energy sources by country of origin, 2008 - 2017

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

Country	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Coal	3,585	3,201	3,519	4,001	3,509	2,993	2,763	2,363	2,047	2,000
Mozambique	-	-	-	3,970	3,662	3,020	-	-	-	-
South Africa	3,585	3,201	3,519	4,009	3,488	2,993	2,763	2,363	2,046	2,000
Russian Fed	-	-	-	-	-	-	-	-	-	2,000
Gasolene	24,793	19,365	25,505	29,406	32,093	32,009	29,691	21,899	18,164	21,046
India	24,793	19,365	25,505	29,406	32,093	32,009	29,691	21,899	18,164	20,799
Saudi Arabia	-	-	-	-	-	-	-	-	-	24,057
Seychelles	-	-	-	-	-	-	-	-	-	27,046
Diesel	27,124	16,850	22,377	28,028	30,422	30,389	27,840	19,050	15,773	17,902
Bahrain	-	-	-	-	-	-	28,513	25,912	19,613	17,710
India	27,124	16,850	22,377	28,028	30,422	30,389	27,779	18,713	15,176	17,677
Saudi Arabia	-	-	-	-	-	-	-	-	17,724	19,446
Singapore	-	-	-	-	-	-	27,420	27,118	16,330	16,101
South Africa	-	-	-	-	-	-	28,305	26,792	16,327	17,788
UAE ¹	-	-	-	-	-	-	-	-	17,150	17,568
Kerosene (excl. jet fuel)	29,548	18,604	22,898	25,245	30,606	31,008	28,096	19,071	16,037	18,597
India	29,548	18,604	22,898	25,245	30,606	31,008	28,095	19,068	16,026	18,498
Saudi Arabia	-	-	-	-	-	-	-	-	-	20,373
Jet fuel type kerosene	27,792	17,486	23,270	27,390	30,990	31,041	28,136	19,317	15,935	18,667
India	27,792	17,486	23,270	27,390	30,990	31,041	28,136	19,317	15,935	18,550
Saudi Arabia	-	-	-	-	-	-	-	-	-	20,382
Fuel Oil	15,738	12,664	14,973	18,450	20,523	19,807	18,627	11,597	9,182	12,384
India	15,738	12,664	14,973	18,450	20,523	19,807	18,582	11,579	8,730	11,923
Saudi Arabia	-	-	-	-	-	-	-	-	11,707	14,226
South Africa	-	-	-	-	-	-	-	13,869	9,993	12,692
UAE ¹	-	-	-	-	-	-	19,323	10,825	10,121	12,236
Ukraine	-	-	-	-	-	-	-	15,927	-	-
LPG	28,819	21,134	26,064	28,561	31,694	30,605	30,520	19,192	13,335	19,145
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	-	-	-	-	-	-
Madagascar	31,102	17,725	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	11,683	-
Mozambique	-	-	-	-	-	-	-	-	13,888	-
Nigeria	-	-	-	-	-	-	-	-	-	21,670
Russian	-	-	-	-	-	-	-	-	11,422	-
Saudi Arabia	26,380	-	24,682	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	63,159	-	14,335	20,277
South Africa	27,562	-	-	28,129	-	-	28,999	-	33,128	26,918
UAE ¹	-	18,605	24,916	28,505	31,694	30,777	28,200	19,168	13,837	18,344
United States	-	-	-	-	-	-	-	-	13,067	16,925
Vietnam	-	21,019	-	-	-	-	-	-	-	-

¹ United Arab Emirates

Figure 2.6 - Average import price of energy sources, 2008 - 2017

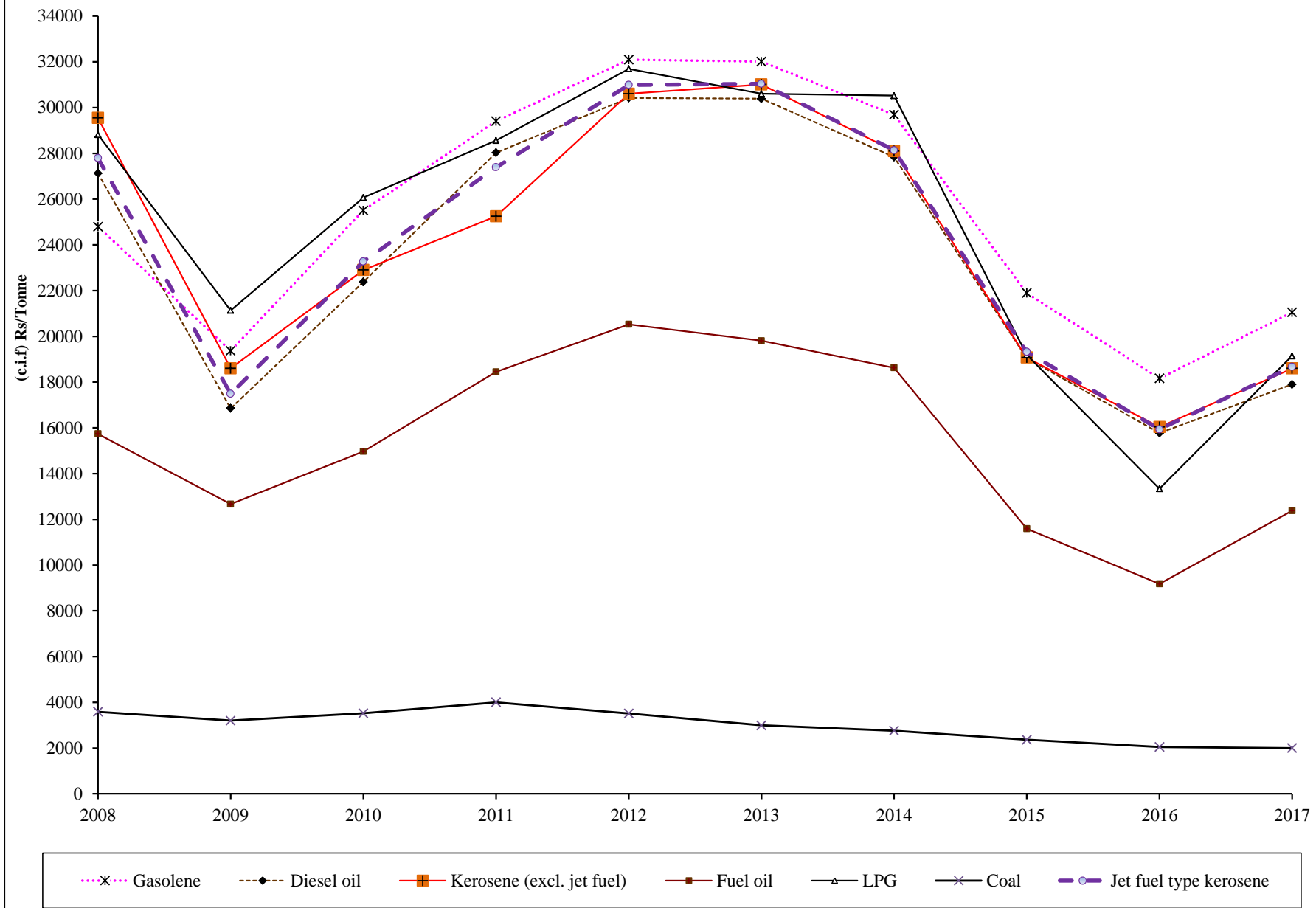
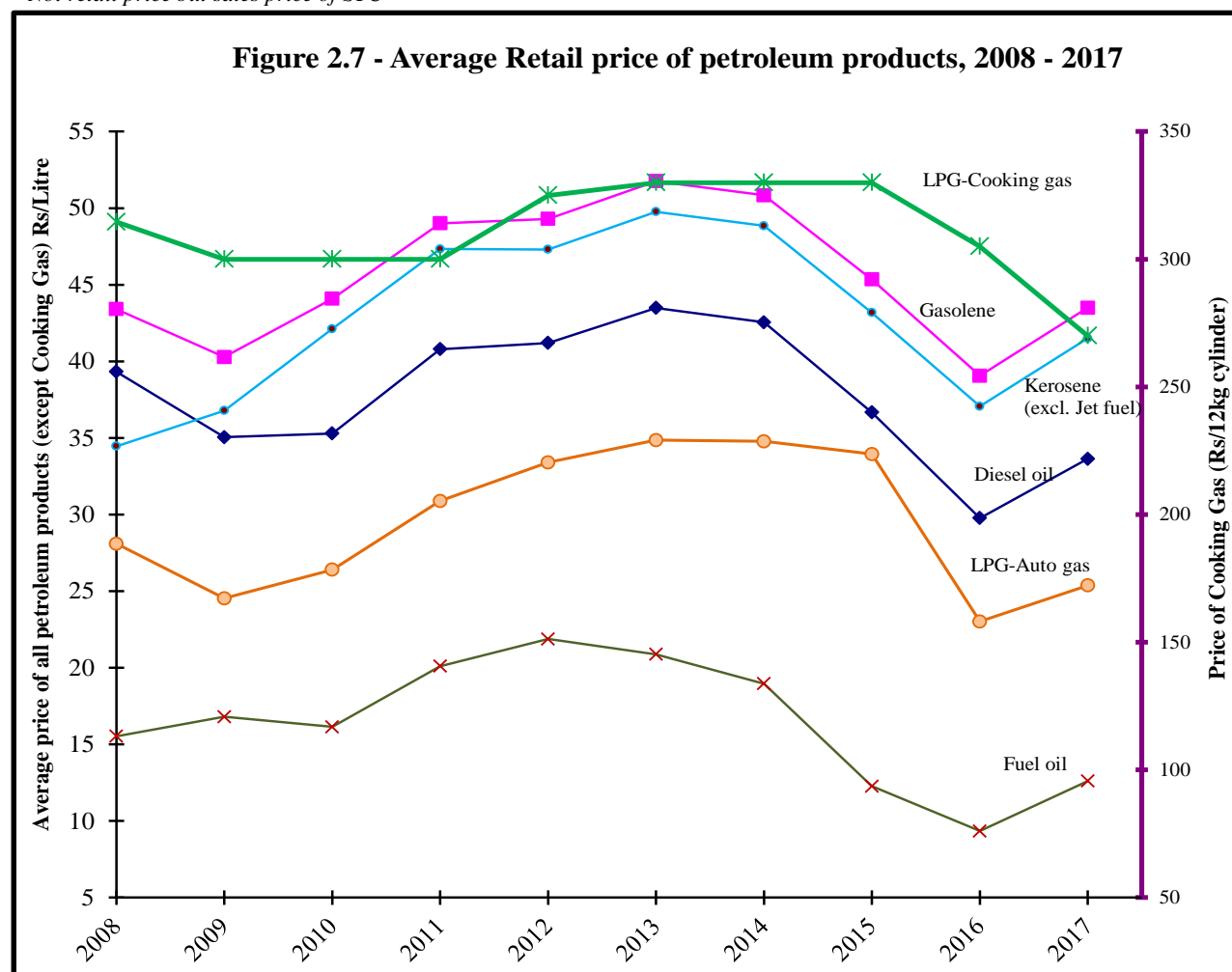


Table 2.8 - Average price of petroleum products and coal used as energy sources, 2008 - 2017

Energy sources	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Average retail price of petroleum products - Rupees											
Gasolene	1 Litre	43.41	40.28	44.09	49.01	49.30	51.76	50.84	45.35	39.06	43.50
Diesel oil	1 Litre	39.32	35.05	35.29	40.79	41.20	43.49	42.55	36.67	29.77	33.64
Kerosene (excl. jet fuel)	1 Litre	34.46	36.78	42.12	47.33	47.30	49.76	48.84	43.18	37.06	41.50
Fuel Oil ¹	1 Litre	15.53	16.80	16.14	20.10	21.88	20.88	18.96	12.27	9.34	12.60
LPG - Cooking Gas	12 Kg	314.60	300.00	300.00	300.00	325.00	330.00	330.00	330.00	305.00	270.00
LPG- Auto Gas	1 Litre	28.09	24.53	26.40	30.88	33.40	34.86	34.78	33.95	23.02	25.37
Average wholesale price of coal - Rupees											
Coal	Tonne	3,961	3,691	4,115	4,758	4,360	3,847	3,574	3,220	3,618	4,171

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, 2008 - 2017

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
	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.	Isl. of Mtius	Rod.				Landfill gas	Other				
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	2,818.70
2017	821.0	13.9	763.5	13.1	461.5	7.6	89.81	14.61	39.19	16.92	2,959.19	3,119.71	2,853.36	2,618.12	2,879.71

Source: Central Electricity Board and Annual Sugar Industry Energy Survey

¹ Includes plant capacity for electricity not exported to CEB

² Revised

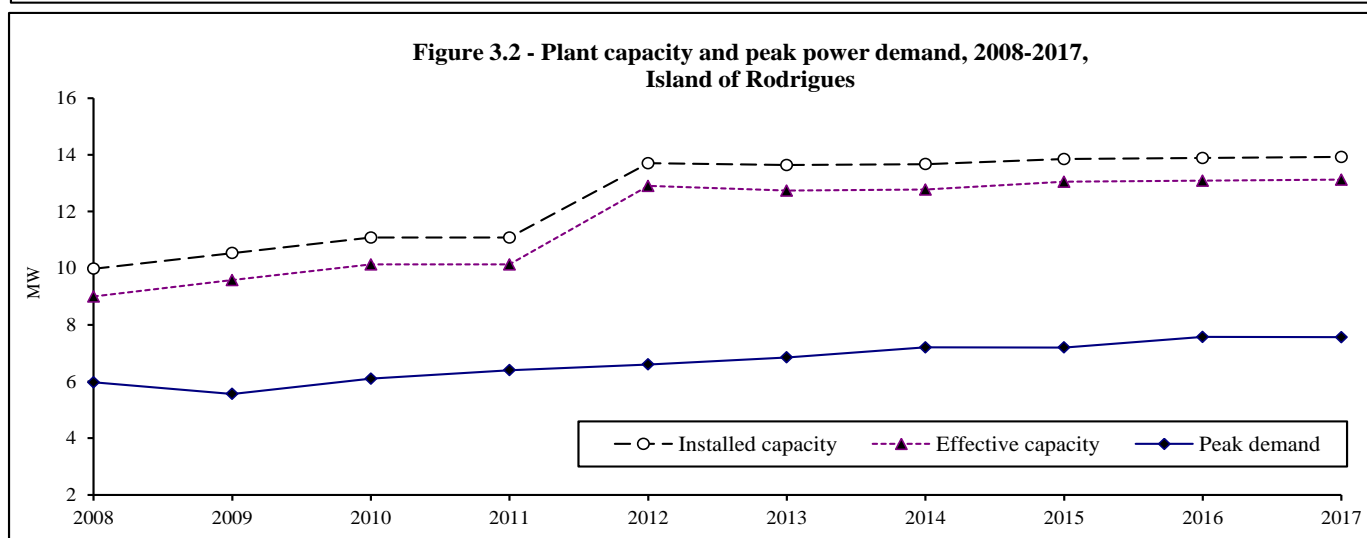
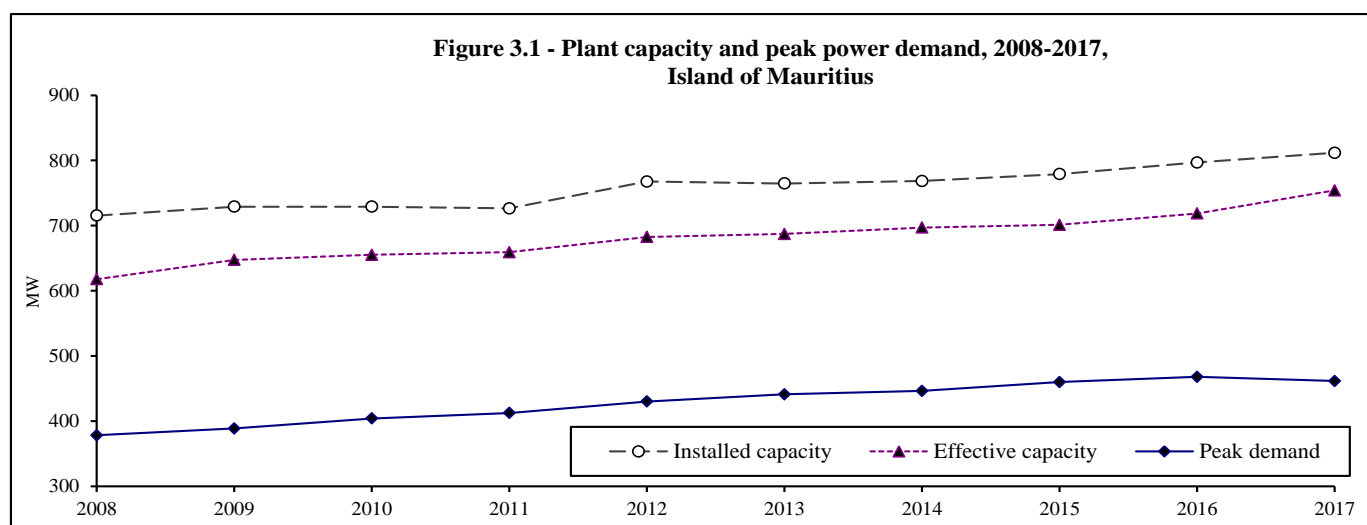


Table 3.2 Plant Capacity, 2017

Plant capacity (MW)	Installed	Effective	Plant capacity (MW)	Installed	Effective
Central Electricity Board (CEB)					
Hydro:			Wind:		
<u>Island of Mauritius</u>	<u>60.44</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>438.00</u>	<u>426.00</u>
Tamarind Falls	11.40	9.50	St Louis	110.00	110.00
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	140.00	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>28.60</u>	<u>27.62</u>	<u>Island of Mauritius</u>	<u>9.35</u>	<u>9.35</u>
<u>Island of Rodrigues</u>	<u>0.24</u>	<u>0.24</u>	(EOLE-Plaine des Roches)	9.35	9.35
			Thermal:		
			<u>Island of Mauritius</u>	<u>284.55</u>	<u>244.20</u>
			Firm producers¹	258.60	224.80
			Alteo Energy Ltd (F.U.E.L)	36.70	33.00
			Terragen (CTBV)	71.00	62.00
			Alteo Beau Champ (CEL)	28.40	25.80
			Omnican Thermal Energy Operation:		
			- St Aubin (CTDS)	32.50	30.00
			- La 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				820.95	763.48
Central Electricity Board				498.45	482.31
Independent Power Producers				322.50	281.17
2. Island of Rodrigues				13.92	13.12
Central Electricity Board				13.68	12.88
Independent Power Producers				0.24	0.24
Grand Total				834.88	776.61

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, 2008-2017

GWh

Source of energy	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Primary Energy										
Republic of Mauritius	108.4	123.9	103.2	62.5	96.3	121.2	140.0	170.8	166.5	160.5
Hydro	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5	89.8
Landfill gas	0.0	0.0	0.0	3.1	17.8	20.0	21.3	20.4	18.7	16.9
Photovoltaic	0.0	0.0	0.0	0.0	0.9	2.7	24.6	25.9	30.3	39.2
Wind	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	18.0	14.6
Island of Mauritius	108.0	122.4	100.7	59.6	92.8	117.5	136.6	168.0	162.7	157.5
Hydro	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5	89.8
Landfill gas	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7	16.9
Photovoltaic	-	-	-	-	0.9	2.7	24.5	25.7	30.0	38.9
Wind	-	-	-	-	-	-	-	-	14.5	11.9
Island of Rodrigues	0.4	1.5	2.5	2.8	3.6	3.6	3.3	2.8	3.8	3.0
Photovoltaic	-	-	-	-	-	0.0	0.1	0.2	0.3	0.3
Wind	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	3.5	2.7
Secondary Energy										
Republic of Mauritius	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	2,959.2
Gas turbine (kerosene)	6.6	15.3	18.9	11.6	11.0	1.7	2.0	2.0	2.1	2.7
Diesel & Fuel oil	827.1	938.0	976.6	1,058.7	1,057.0	1,076.1	1,079.3	1,131.2	1,109.8	1,181.3
Coal	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	1,312.0
Bagasse	486.4	485.0	474.1	486.5	470.5	472.8	456.2	509.8	497.0	463.2
Island of Mauritius	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	2,920.2
Gas turbine (kerosene)	6.6	15.3	18.9	11.6	11.0	1.7	2.0	2.0	2.1	2.7
Diesel & Fuel oil	796.4	907.8	947.0	1,028.4	1,027.0	1,044.1	1,045.2	1,094.5	1,072.9	1,142.3
Coal	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	1,312.0
Bagasse	486.4	485.0	474.1	486.5	470.5	472.8	456.2	509.8	497.0	463.2
Island of Rodrigues	30.8	30.2	29.6	30.3	30.0	32.0	34.1	36.8	37.0	39.0
Diesel & Fuel oil	30.8	30.2	29.6	30.3	30.0	32.0	34.1	36.8	37.0	39.0
Total	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	3,119.7

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

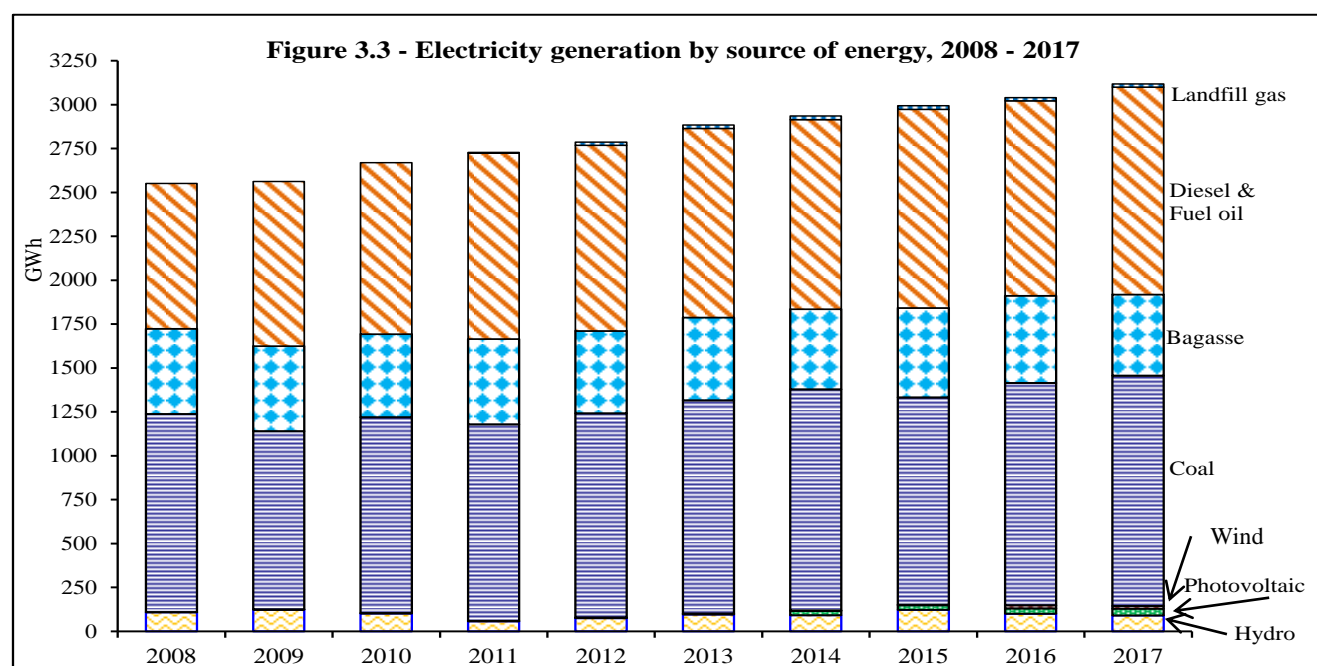


Table 3.4 - Electricity Exported to Central Electricity Board by energy source, 2008 - 2017

	GWh									
Source of energy	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Republic of Mauritius	1365.1	1228.6	1309.4	1336.7	1383.4	1434.9	1504.0	1472.1	1563.3	1576.8
<i>of which renewables</i>	366.4	353.6	342.8	355.7	362.1	367.8	378.6	425.4	428.0	400.9
Landfill gas	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7	16.9
Photovoltaic	-	-	-	-	0.3	1.3	22.7	23.8	26.4	34.4
Wind	-	-	-	-	-	0.0	0.0	-	14.5	11.9
Coal	998.7	875.0	966.6	981.0	1021.4	1067.2	1125.4	1046.8	1135.3	1176.0
Bagasse	366.4	353.6	342.8	352.6	344.0	346.5	334.5	381.2	368.4	337.7
Island of Mauritius	1365.1	1228.6	1309.4	1336.7	1383.4	1434.9	1503.9	1472.0	1563.1	1576.6
Landfill gas	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7	16.9
Photovoltaic	-	-	-	-	0.3	1.2	22.6	23.7	26.2	34.2
Wind	-	-	-	-	-	0.0	-	-	14.5	11.9
Coal	998.7	875.0	966.6	981.0	1,021.4	1,067.2	1,125.4	1,046.8	1,135.3	1,176.0
Bagasse	366.4	353.6	342.8	352.6	344.0	346.5	334.5	381.2	368.4	337.7
Island of Rodrigues	-	-	-	-	-	0.01	0.09	0.12	0.20	0.22
Photovoltaic	-	-	-	-	-	0.01	0.09	0.12	0.20	0.22

Source: Central Electricity Board

Table 3.5 - Generation of electricity by Central Electricity Board and Independent Power Producers, 2008 - 2017

	GWh									
Power station	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Central Electricity Board										
Republic of Mauritius	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	1,276.5
Island of Mauritius	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	1,234.8
Hydro	108.0	122.4	100.7	56.5	74.1	94.8	90.8	121.9	99.5	89.8
Thermal	802.9	923.0	966.0	1,040.0	1,038.0	1,045.8	1,047.2	1,096.5	1,075.0	1,144.9
Photovoltaic	-	-	-	-	-	-	-	-	0.0	0.0
Island of Rodrigues	31.1	31.7	32.1	33.1	33.6	35.6	37.3	39.5	40.5	41.7
Wind	0.4	1.5	2.5	2.8	3.6	3.6	3.2	2.7	3.5	2.7
Thermal	30.8	30.2	29.6	30.3	30.0	32.0	34.1	36.8	37.0	39.0
Independent Power Producer										
Republic of Mauritius	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	1,843.2
<i>of which: exported to CEB</i>	1,365.1	1,228.6	1,309.4	1,336.7	1,383.4	1,434.9	1,504.0	1,472.1	1,563.3	1,576.8
Island of Mauritius	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	1,842.9
Photovoltaic	-	-	-	-	0.9	2.7	24.5	25.7	30.0	38.9
Wind	-	-	-	-	-	-	-	-	14.5	11.9
Thermal:	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	1,792.1
Coal	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	1,312.0
Bagasse	486.4	485.0	474.1	486.5	470.5	472.8	456.2	509.8	497.0	463.2
Landfill gas	-	-	-	3.1	17.8	20.0	21.3	20.4	18.7	16.9
Island of Rodrigues	-	-	-	-	0.0	0.02	0.14	0.16	0.27	0.30
Photovoltaic	-	-	-	-	0.0	0.02	0.14	0.16	0.27	0.30
<i>of which: exported to CEB</i>	-	-	-	-	-	0.01	0.09	0.12	0.20	0.22
Total Electricity Generated	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	3,119.7
<i>of which renewables</i>	594.8	608.9	577.3	548.9	566.8	594.0	596.2	680.6	663.4	623.7
Republic of Mauritius										
Total available for sales	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	2,853.4
<i>of which renewables</i>	474.8	477.5	446.0	415.0	439.7	466.2	472.6	549.9	531.0	493.4

Source: Central Electricity Board & Annual Sugar Industry Energy Survey

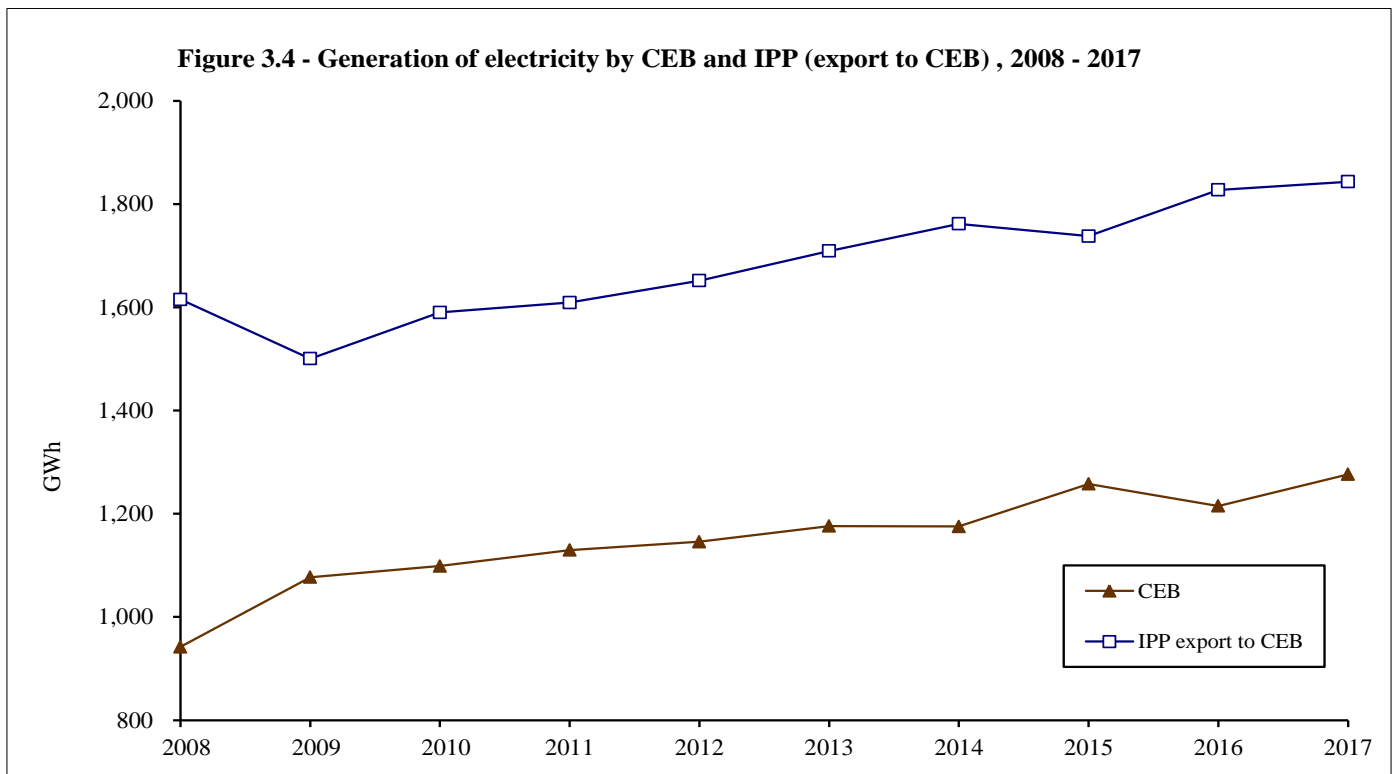


Table 3.6 - Percentage share of electricity generated by CEB and IPP, 2008 - 2017

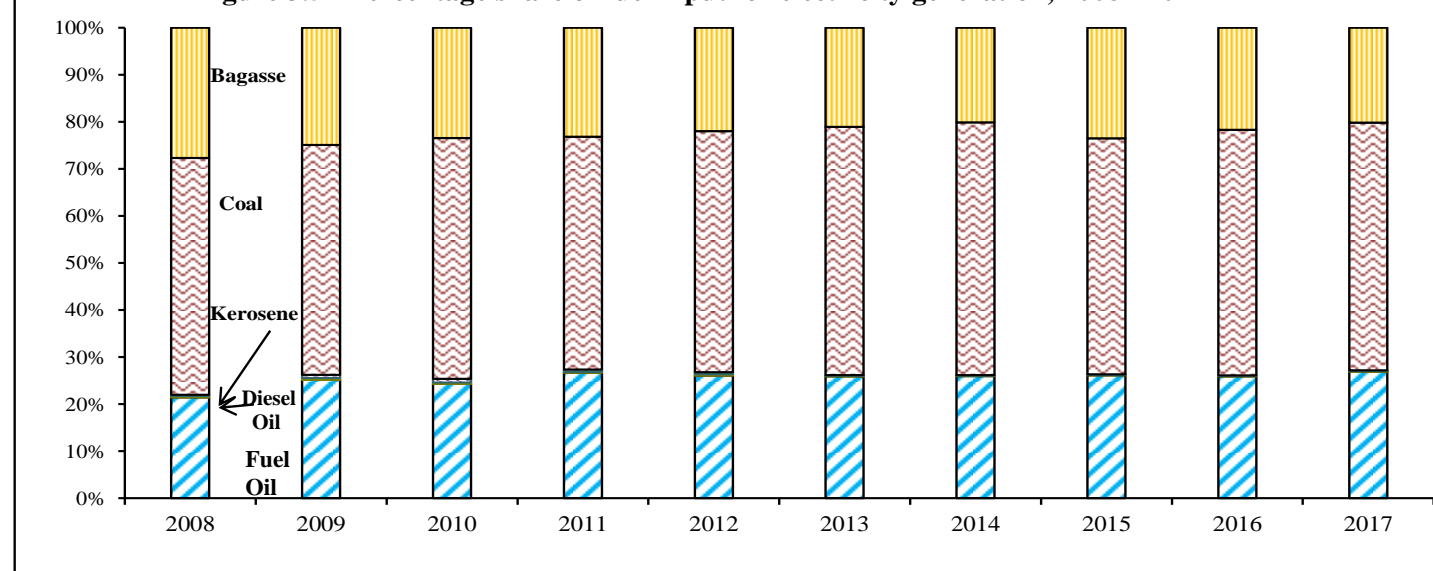
Power station	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
%										
Central Electricity Board										
Republic of Mauritius	36.8	41.8	40.9	41.2	41.0	40.8	40.0	42.0	39.9	40.9
Island of Mauritius	35.6	40.6	39.7	40.0	39.8	39.5	38.7	40.7	38.6	39.6
Hydro	4.2	4.7	3.7	2.1	2.6	3.3	3.1	4.1	3.3	2.9
Thermal	31.4	35.8	35.9	38.0	37.1	36.2	35.7	36.6	35.3	36.7
Photovoltaic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Island of Rodrigues	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3
Wind	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Thermal	1.2	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3
Independent Power Producer										
Republic of Mauritius	63.2	58.2	59.1	58.8	59.0	59.2	60.0	58.0	60.1	59.1
<i>of which: exported to CEB</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>	<i>50.5</i>
Island of Mauritius	63.2	58.2	59.1	58.8	59.0	59.2	60.0	58.0	60.1	59.1
Photovoltaic	-	-	-	-	0.0	0.1	0.8	0.9	1.0	1.2
Wind	-	-	-	-	-	-	-	-	0.5	0.4
Thermal:	63.2	58.2	59.1	58.8	59.0	59.1	59.1	57.1	58.6	57.4
Coal	44.1	39.4	41.5	40.9	41.6	42.1	42.9	39.4	41.6	42.1
Bagasse	19.0	18.8	17.6	17.8	16.8	16.4	15.5	17.0	16.3	14.8
Landfill gas	-	-	-	0.1	0.6	0.7	0.7	0.7	0.6	0.5
Island of Rodrigues	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0
Photovoltaic	-	-	-	-	0.0	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>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>	<i>20.0</i>

Table 3.7 - Fuel input for electricity generation, 2008 - 2017

Fuel	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Tonne										
Republic of Mauritius	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	2,047,045
Fuel oil	167,546	190,604	196,882	214,517	213,032	216,190	221,345	229,570	224,212	239,360
Diesel oil	1,901	2,761	1,997	1,523	1,857	1,269	1,229	1,084	1,025	1,274
Kerosene	2,095	4,924	6,008	3,659	3,437	645	681	741	729	939
Coal	609,745	574,141	643,049	617,297	649,157	683,207	711,236	684,348	701,225	726,666
Bagasse ¹	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	1,078,805
Island of Mauritius	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	2,038,134
Fuel oil	160,359	183,678	190,108	207,576	206,146	208,865	213,588	221,116	215,794	230,543
Diesel oil	1,721	2,558	1,875	1,354	1,728	1,190	1,125	979	924	1,181
Kerosene	2,095	4,924	6,008	3,659	3,437	645	681	741	729	939
Coal	609,745	574,141	643,049	617,297	649,157	683,207	711,236	684,348	701,225	726,666
Bagasse ¹	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	1,078,805
Island of Rodrigues	7,367	7,129	6,896	7,110	7,015	7,404	7,861	8,559	8,519	8,910
Fuel oil	7,188	6,926	6,774	6,941	6,886	7,325	7,757	8,455	8,418	8,817
Diesel oil	180	203	122	169	129	79	104	105	101	93
ktoe										
Republic of Mauritius	751.14	728.55	778.41	773.05	784.89	802.07	820.30	845.00	832.52	855.19
Fuel oil	160.84	182.98	189.00	205.93	204.51	207.54	212.49	220.39	215.24	229.79
Diesel oil	1.92	2.79	2.01	1.54	1.88	1.28	1.24	1.09	1.04	1.29
Kerosene	2.18	5.12	6.25	3.81	3.57	0.67	0.71	0.77	0.76	0.98
Coal	378.04	355.97	398.69	382.72	402.48	423.59	440.97	424.30	434.76	450.53
Bagasse ¹	208.15	181.69	182.46	179.05	172.45	168.98	164.89	198.45	180.73	172.61
Island of Mauritius	744.05	721.70	771.79	766.22	778.15	794.95	812.75	836.77	824.34	846.63
Fuel oil	153.94	176.33	182.50	199.27	197.90	200.51	205.04	212.27	207.16	221.32
Diesel oil	1.74	2.58	1.89	1.37	1.75	1.20	1.14	0.99	0.93	1.19
Kerosene	2.18	5.12	6.25	3.81	3.57	0.67	0.71	0.77	0.76	0.98
Coal	378.04	355.97	398.69	382.72	402.48	423.59	440.97	424.30	434.76	450.53
Bagasse ¹	208.15	181.69	182.46	179.05	172.45	168.98	164.89	198.45	180.73	172.61
Island of Rodrigues	7.08	6.85	6.62	6.83	6.74	7.11	7.55	8.22	8.18	8.56
Fuel oil	6.90	6.65	6.50	6.66	6.61	7.03	7.45	8.12	8.08	8.46
Diesel oil	0.18	0.21	0.12	0.17	0.13	0.08	0.11	0.11	0.10	0.09

¹ Estimates

Figure 3.5 - Percentage share of fuel input for electricity generation, 2008 - 2017





Section IV

Final energy consumption

Table 4.1 - Final energy consumption by sector (Energy unit), 2008 - 2017

ktoe

Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016 ¹	2017
1. Manufacturing	243.49	220.45	231.16	222.41	215.48	212.27	210.74	216.22	206.86	205.83
2. Transport	410.65	394.89	421.59	435.29	427.26	438.78	454.14	463.13	505.64	530.40
3. Commercial and Distributive Trade	69.05	72.29	76.44	80.66	83.67	88.06	92.52	95.52	97.46	99.62
4. Household	110.15	113.11	116.89	117.40	120.12	123.39	126.48	129.88	132.18	134.29
5. Agriculture	4.48	4.07	4.40	4.30	4.50	4.53	4.60	4.21	4.49	4.22
6. Other (n.e.s) and losses	3.81	3.76	3.53	2.97	3.37	3.55	3.45	3.90	4.45	4.46
Total	841.63	808.57	854.01	863.02	854.41	870.57	891.93	912.86	951.07	978.82

¹ Revised**Table 4.2 - Percentage share of final energy consumption by sector, 2008 - 2017**

%

Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1. Manufacturing	28.9	27.3	27.1	25.8	25.2	24.4	23.6	23.7	21.8	21.0
2. Transport	48.8	48.8	49.4	50.4	50.0	50.4	50.9	50.7	53.2	54.2
3. Commercial and Distributive Trade	8.2	8.9	9.0	9.3	9.8	10.1	10.4	10.5	10.2	10.2
4. Household	13.1	14.0	13.7	13.6	14.1	14.2	14.2	14.2	13.9	13.7
5. Agriculture	0.5	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	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

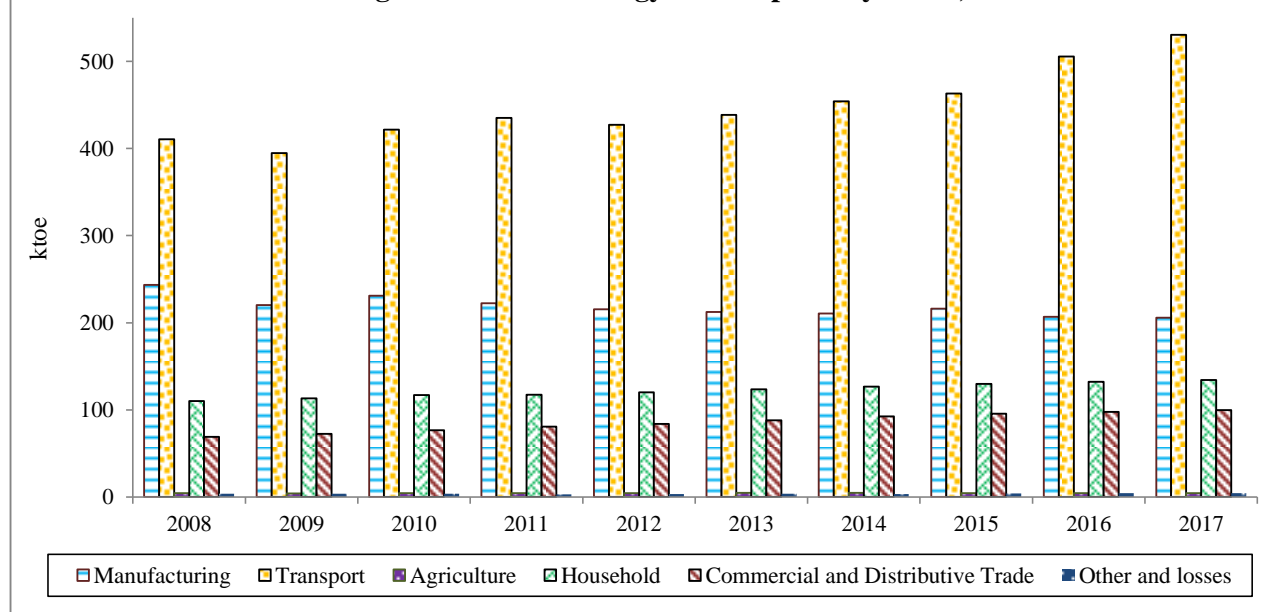
Figure 4.1 - Final energy consumption by sector, 2008 - 2017

Table 4.3 - Final energy consumption by sector and type of fuel (Physical unit), 2008 - 2017

Sectors	Unit	2008	2009	2010	2011	2012	2013	2014	2015	2016 ²	2017
1. Manufacturing											
Fuel oil	tonne	50,268	43,078	41,472	40,316	38,953	39,182	40,476	37,203	36,789	37,143
Diesel oil	tonne	46,301	45,882	46,543	43,094	41,310	35,443	36,096	36,592	35,305	35,525
LPG	tonne	4,920	5,007	5,122	5,238	5,463	5,353	5,427	5,672	5,601	5,462
Coal	tonne	41,672	21,572	24,786	24,200	25,619	27,507	31,250	36,436	33,193	33,527
Fuelwood ¹	tonne	1,425	1,426	1,426	1,425	1,410	1,385	1,343	1,300	1,261	1,242
Electricity	GWh	912.9	897.2	934.3	929.2	929.8	962.6	944.5	962.0	970.3	993.5
Bagasse	tonne	239,276	226,759	265,988	244,288	213,123	204,565	177,973	197,646	158,431	135,746
2. Transport											
Land											
Gasolene	tonne	98,867	108,871	115,266	117,370	123,352	128,928	137,244	147,565	161,833	169,764
Diesel oil	tonne	151,840	152,631	159,471	159,904	164,650	164,802	165,140	166,294	168,544	172,010
LPG	tonne	5,184	4,587	4,641	4,502	4,363	4,068	3,744	3,190	3,479	3,316
Air											
Jet Fuel	tonne	131,631	106,246	118,553	129,170	110,582	116,093	121,968	119,555	141,915	154,072
Sea											
Fuel Oil	tonne	4,371	3,746	3,537	3,575	3,674	3,525	3,641	3,253	4,048	4,039
Gasolene	tonne	2,539	2,796	2,960	3,014	3,105	3,170	3,260	3,395	3,844	4,038
Diesel oil	tonne	1,070	1,076	1,124	1,127	1,137	1,142	1,210	1,219	1,235	1,261
3. Commercial and Distributive Trade											
LPG	tonne	10,094	10,575	10,925	11,260	11,918	13,285	14,028	15,099	16,083	16,173
Charcoal ¹	tonne	422	437	453	469	474	483	497	450	420	414
Electricity	GWh	672.7	704.2	748.0	792.6	819.3	853.2	895.6	917.5	927.8	952.0
4. Household											
Kerosene	tonne	1,772	1,476	1,731	515	243	202	153	131	71	63
LPG	tonne	42,394	43,237	44,059	44,640	45,329	46,360	47,570	49,093	49,455	50,011
Fuelwood ¹	tonne	16,726	16,619	16,597	16,336	16,003	15,466	14,529	13,625	13,564	13,442
Charcoal ¹	tonne	119	119	119	116	114	111	103	98	95	94
Electricity	GWh	652.2	680.1	710.7	725.3	753.0	781.0	806.5	831.3	854.5	872.7
5. Agriculture											
Diesel oil ¹	tonne	2,241	2,286	2,325	2,344	2,331	2,320	2,283	2,306	2,267	2,186
Electricity	GWh	25.8	20.5	23.8	22.5	25.0	25.4	26.7	21.8	25.5	23.4
6. Other											
LPG	tonne	-	-	-	-	-	258	270	285	292	303
Electricity	GWh	40.0	38.9	37.6	39.1	35.3	36.1	36.6	38.5	40.5	38.2

¹ Estimates

² Revised

Table 4.4 - Final energy consumption by sector and type of fuel (Energy unit), 2008 - 2017

ktoe

Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016 ¹	2017
1. Manufacturing	243.5	220.4	231.2	222.4	215.5	212.3	210.7	216.2	206.9	205.8
Fuel oil	48.3	41.4	39.8	38.7	37.4	37.6	38.9	35.7	35.3	35.7
Diesel oil	46.8	46.3	47.0	43.5	41.7	35.8	36.5	37.0	35.7	35.9
LPG	5.3	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.0	5.9
Coal	25.8	13.4	15.4	15.0	15.9	17.1	19.4	22.6	20.6	20.8
Fuelwood	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Electricity	78.5	77.1	80.3	79.9	79.9	82.8	81.2	82.7	83.4	85.4
Bagasse	38.3	36.3	42.6	39.1	34.1	32.7	28.5	31.6	25.3	21.7
2. Transport	410.6	394.9	421.6	435.3	427.3	438.8	454.1	463.1	505.6	530.4
Land	265.7	276.7	290.6	293.1	304.2	310.1	319.1	330.8	348.7	360.7
Gasolene	106.8	117.6	124.5	126.8	133.2	139.2	148.2	159.4	174.8	183.3
Diesel oil	153.4	154.2	161.1	161.5	166.3	166.5	166.8	168.0	170.2	173.7
LPG	5.6	5.0	5.0	4.9	4.7	4.4	4.0	3.4	3.8	3.6
Air: Jet Fuel	136.9	110.5	123.3	134.3	115.0	120.7	126.8	124.3	147.6	160.2
Sea	8.0	7.7	7.7	7.8	8.0	8.0	8.2	8.0	9.3	9.5
Fuel Oil	4.2	3.6	3.4	3.4	3.5	3.4	3.5	3.1	3.9	3.9
Gasolene	2.7	3.0	3.2	3.3	3.4	3.4	3.5	3.7	4.2	4.4
Diesel oil	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3
3. Commercial and Distributive Trade	69.1	72.3	76.4	80.7	83.7	88.1	92.5	95.5	97.5	99.6
LPG	10.9	11.4	11.8	12.2	12.9	14.3	15.2	16.3	17.4	17.5
Charcoal	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3
Electricity	57.8	60.5	64.3	68.1	70.4	73.4	77.0	78.9	79.8	81.8
4. Household	110.1	113.1	116.9	117.4	120.1	123.4	126.5	129.9	132.2	134.3
Kerosene	1.8	1.5	1.8	0.5	0.3	0.2	0.2	0.1	0.1	0.1
LPG	45.8	46.7	47.6	48.2	49.0	50.1	51.4	53.0	53.4	54.0
Fuelwood	6.4	6.3	6.3	6.2	6.1	5.9	5.5	5.2	5.2	5.1
Charcoal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Electricity	56.1	58.5	61.1	62.4	64.7	67.1	69.3	71.5	73.5	75.0
5. Agriculture	4.5	4.1	4.4	4.3	4.5	4.5	4.6	4.2	4.5	4.2
Diesel oil	2.3	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.2
Electricity	2.2	1.8	2.0	1.9	2.1	2.2	2.3	1.9	2.2	2.0
6. Other (n.e.s) and losses	3.8	3.8	3.5	3.0	3.4	3.5	3.4	3.9	4.4	4.5
Total	841.6	808.6	854.0	863.0	854.4	870.6	891.9	912.9	951.1	978.82

Table 4.5 - Percentage share of final energy consumption in ktoe by sector and type of fuel, 2008 - 2017

%

Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
1. Manufacturing	28.9	27.3	27.1	25.8	25.2	24.4	23.6	23.7	21.8	21.0
Fuel oil	5.7	5.1	4.7	4.5	4.4	4.3	4.4	3.9	3.7	3.6
Diesel oil	5.6	5.7	5.5	5.0	4.9	4.1	4.1	4.0	3.7	3.7
LPG	0.6	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
Coal	3.1	1.7	1.8	1.7	1.9	2.0	2.2	2.5	2.2	2.1
Fuelwood	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Electricity	9.3	9.5	9.4	9.3	9.4	9.5	9.1	9.1	8.8	8.7
Bagasse	4.5	4.5	5.0	4.5	4.0	3.8	3.2	3.5	2.7	2.2
2. Transport	48.8	48.8	49.4	50.4	50.0	50.4	50.9	50.7	53.2	54.2
Land	31.6	34.2	34.0	34.0	35.6	35.6	35.8	36.2	36.7	36.8
Gasolene	12.7	14.5	14.6	14.7	15.6	16.0	16.6	17.5	18.4	18.7
Diesel oil	18.2	19.1	18.9	18.7	19.5	19.1	18.7	18.4	17.9	17.7
LPG	0.7	0.6	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.4
Air: Jet Fuel	16.3	13.7	14.4	15.6	13.5	13.9	14.2	13.6	15.5	16.4
Sea	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0
Fuel Oil	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
Gasolene	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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	8.2	8.9	9.0	9.3	9.8	10.1	10.4	10.5	10.2	10.2
LPG	1.3	1.4	1.4	1.4	1.5	1.6	1.7	1.8	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	6.9	7.5	7.5	7.9	8.2	8.4	8.6	8.6	8.4	8.4
4. Household	13.1	14.0	13.7	13.6	14.1	14.2	14.2	14.2	13.9	13.7
Kerosene	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
LPG	5.4	5.8	5.6	5.6	5.7	5.8	5.8	5.8	5.6	5.5
Fuelwood	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.5	0.5
Charcoal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Electricity	6.7	7.2	7.2	7.2	7.6	7.7	7.8	7.8	7.7	7.7
5. Agriculture	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Diesel oil	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
Electricity	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2
6. Other (n.e.s) and losses	0.5	0.5	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

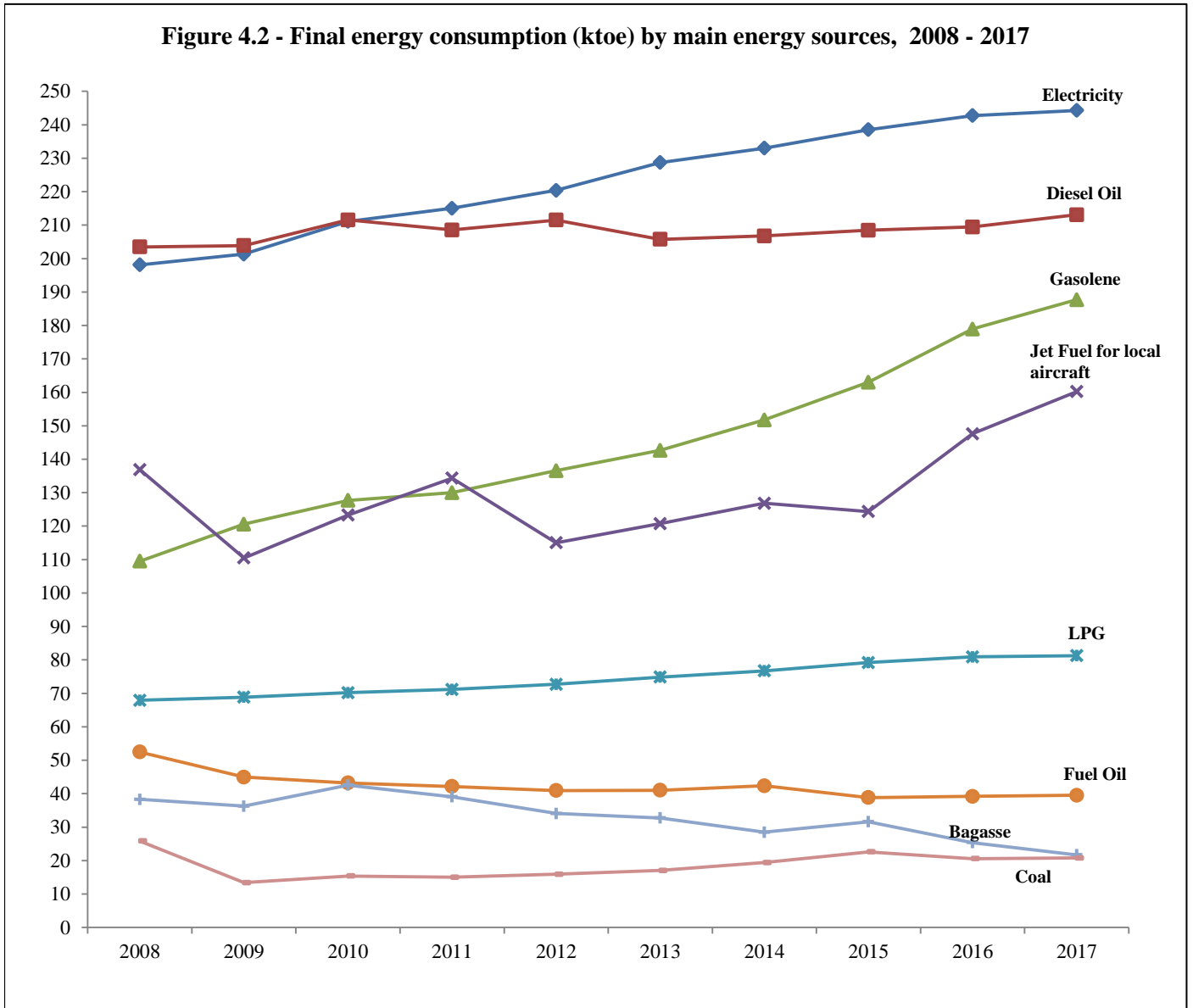


Figure 4.3 - Percentage share of energy sources in the Final Energy Consumption (ktoe) - 2008 and 2017

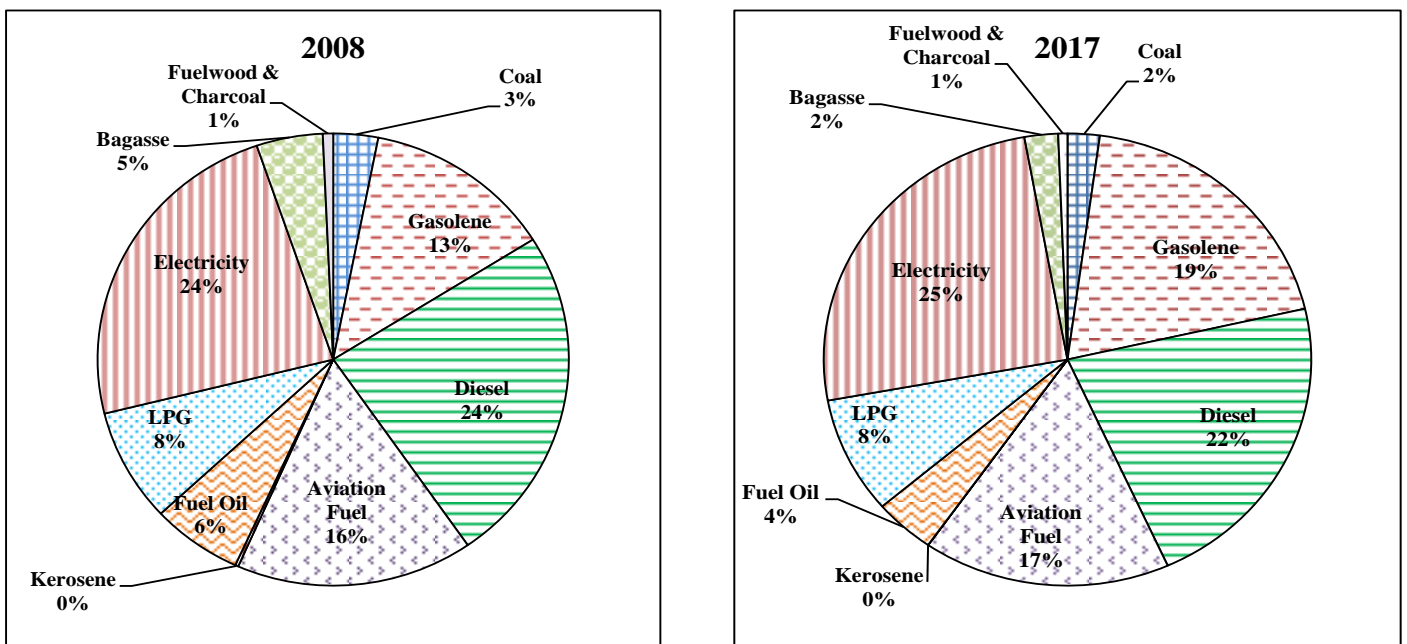


Table 4.7 - Sales of electricity by tariff group, 2008 - 2017, Republic of Mauritius

Tariff group	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Number of consumers										
Domestic	350,627	358,359	364,474	372,315	381,096	388,910	396,335	404,463	413,068	420,876
Commercial	35,721	36,151	36,956	37,685	38,539	39,199	40,089	41,124	41,879	42,761
Industrial	7,295	7,143	7,008	6,818	6,763	6,703	6,593	6,381	6,352	6,353
Other	369	403	429	465	507	550	610	637	654	676
Total	394,012	402,056	408,867	417,283	426,905	435,362	443,627	452,605	461,953	470,666
GWh sold										
Domestic	652.2	680.1	710.7	725.3	753.0	780.8	806.3	831.0	854.5	872.7
Commercial	672.7	704.2	748.0	792.6	818.7	852.0	894.1	915.8	927.8	952.0
Industrial	688.7	646.1	677.6	679.4	687.4	715.2	715.2	720.1	735.8	755.3
Other	40.0	38.9	37.6	30.9	35.3	36.1	36.6	38.5	40.5	38.2
Total	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	2,618.1
Value sold (Rs.mn)										
Domestic	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	5,035.8
Commercial	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	6,964.4
Industrial	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	2,669.7
Other	275.0	275.6	274.3	240.1	269.6	239.0	285.0	297.5	308.0	298.4
Total	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	14,968.3
Average sales price* (Rs./kWh)										
Domestic	4.82	5.07	5.25	5.61	5.71	5.72	5.76	5.77	5.76	5.77
Commercial	6.60	6.86	7.04	7.40	7.44	7.38	7.35	7.34	7.34	7.32
Industrial	3.20	3.26	3.35	3.52	3.56	3.54	3.56	3.55	3.54	3.53
Other	6.87	7.09	7.29	7.77	7.64	6.62	7.78	7.74	7.60	7.81
Total	4.90	5.15	5.31	5.64	5.71	5.67	5.73	5.74	5.73	5.72
Average no. of units per consumer (kWh)										
Domestic	1,860	1,898	1,950	1,948	1,976	2,008	2,034	2,055	2,069	2,074
Commercial	18,832	19,479	20,239	21,033	21,244	21,736	22,303	22,269	22,155	22,262
Industrial	94,414	90,445	96,692	99,654	101,641	106,701	108,474	112,858	115,842	118,881
Other	108,498	96,429	87,671	66,469	69,563	65,692	60,067	60,380	61,926	56,527
Total	5,212	5,147	5,317	5,340	5,374	5,476	5,528	5,536	5,539	5,563

Source: Central Electricity Board

* Excluding VAT & meter rent

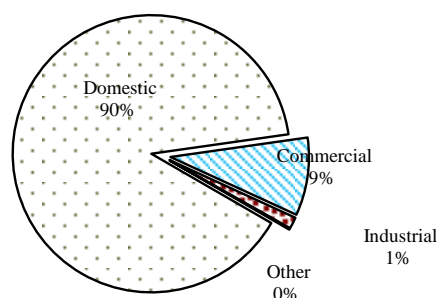
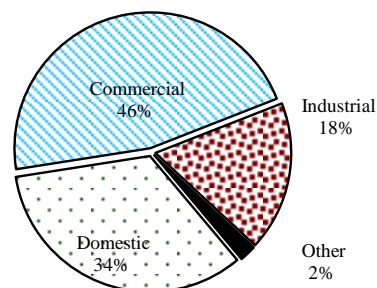
Figure 4.4 - Percentage share of electricity consumers by tariff group, 2017**Figure 4.5 - Percentage share of sales value of electricity by tariff group, 2017**

Figure 4.6 - Sales of electricity by tariff group, 2008 - 2017, Republic of Mauritius

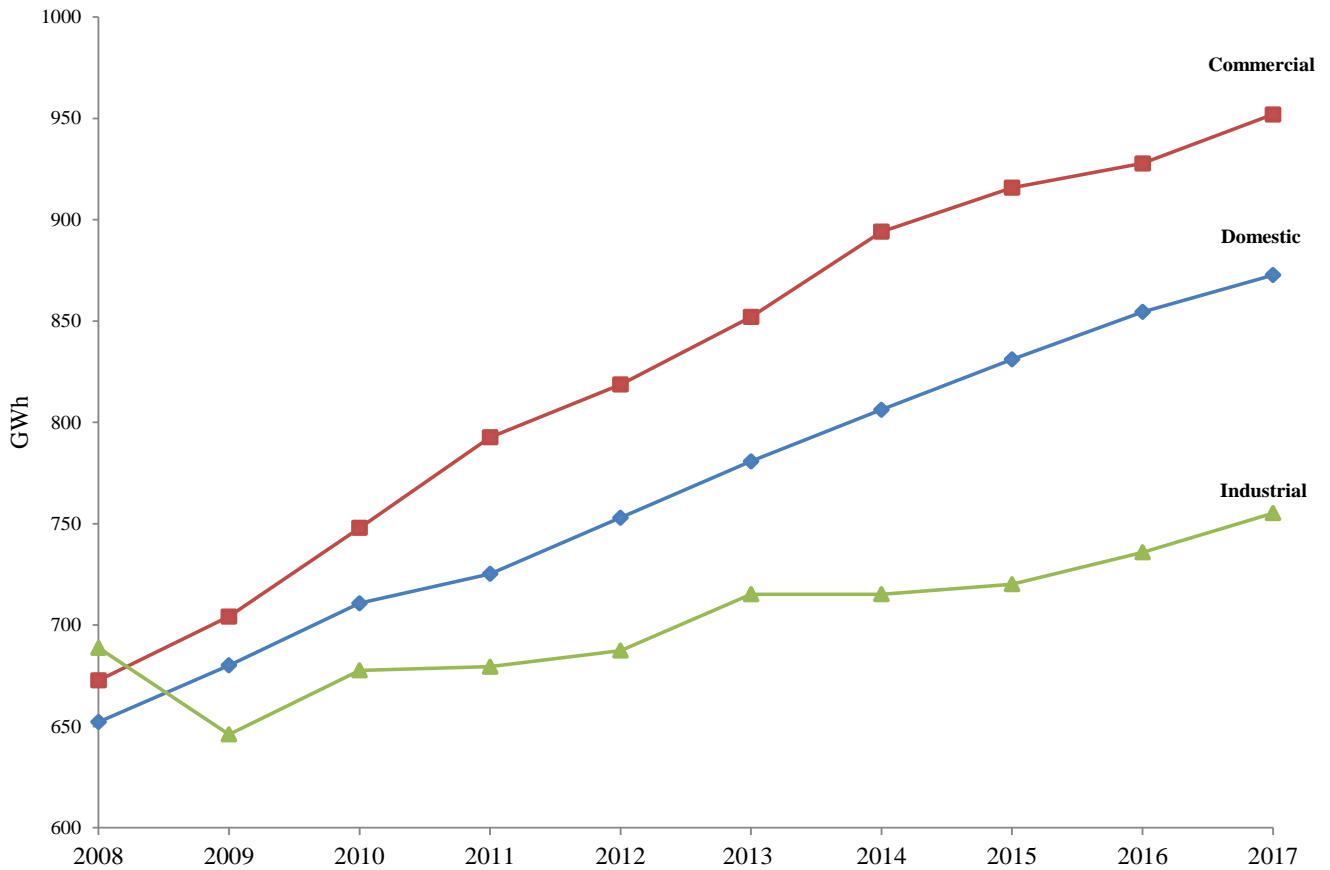


Figure 4.7 - Sales value of electricity by tariff group, 2008 - 2017, Republic of Mauritius

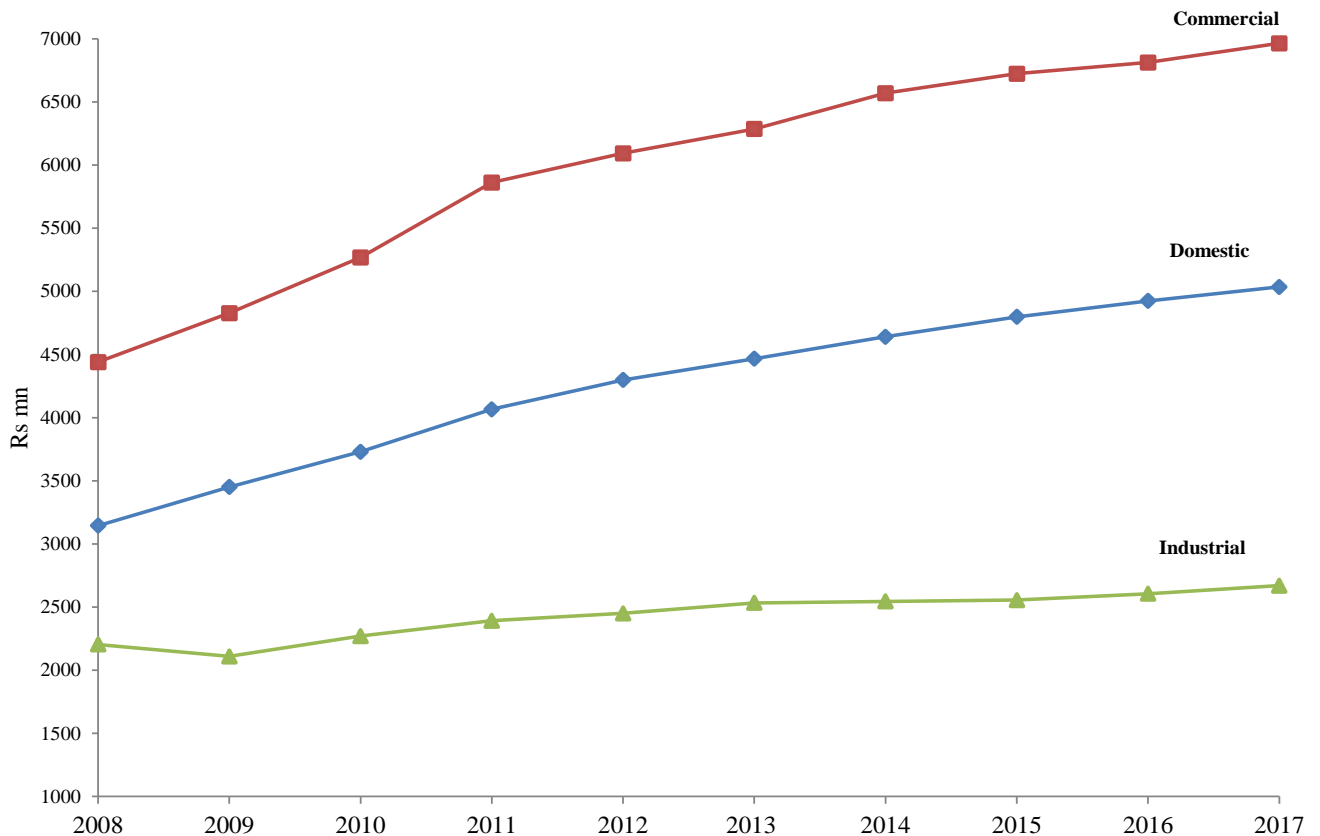


Table 4.8 - Sales of electricity by tariff group, 2008 - 2017, Island of Mauritius

Tariff group	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Number of consumers										
Domestic	340,217	347,757	353,689	361,231	369,707	377,238	384,281	392,240	400,486	408,032
Commercial	34,630	35,051	35,813	36,476	37,282	37,927	38,777	39,780	40,461	41,265
Industrial	7,096	6,932	6,777	6,586	6,517	6,443	6,312	6,100	6,062	6,055
<i>General</i>	6,631	6,454	6,284	6,082	5,992	5,890	5,733	5,502	5,451	5,430
<i>Irrigation</i>	465	478	493	504	525	553	579	598	611	625
Other	362	396	422	458	499	541	601	629	647	669
Total	382,305	390,136	396,701	404,751	414,005	422,149	429,971	438,749	447,656	456,021
GWh sold										
Domestic	637.5	665.3	695.3	709.7	737.0	764.0	788.8	812.7	835.3	852.9
Commercial	664.5	695.7	739.6	784.0	809.7	842.5	884.1	905.7	917.4	940.9
Industrial	687.0	643.9	675.6	677.4	685.4	713.0	712.7	716.6	732.2	752.1
<i>General</i>	661.1	623.5	651.8	654.9	660.5	687.6	686.1	694.8	706.7	728.8
<i>Irrigation</i>	25.8	20.4	23.8	22.5	24.9	25.4	26.6	21.8	25.5	23.3
Other	39.4	38.2	36.9	30.2	34.6	35.5	36.0	37.8	39.8	37.5
<i>Street Lighting</i>	34.0	33.3	30.9	24.4	24.8	25.6	27.6	28.3	28.7	29.4
<i>Temporary</i>	0.2	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.2
<i>Miscellaneous</i>	5.2	4.7	5.8	5.6	9.6	9.6	8.1	9.2	10.9	8.0
Total	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	2,583.4
Value sold (Rs.mn)										
Domestic	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	4,934.3
Commercial	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	6,863.8
Industrial	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	2,655.9
<i>General</i>	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	2,591.1
<i>Irrigation</i>	64.9	52.2	64.1	62.8	70.9	71.9	75.1	60.9	71.3	64.9
Other	270.4	270.9	269.4	234.9	264.4	233.9	279.9	292.2	302.7	292.9
Total	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	14,747.0
Average sales price* (Rs./kWh)										
Domestic	4.83	5.08	5.26	5.62	5.72	5.73	5.77	5.79	5.78	5.79
Commercial	6.58	6.84	7.03	7.38	7.42	7.36	7.33	7.32	7.32	7.30
Industrial	3.20	3.26	3.35	3.52	3.56	3.54	3.55	3.54	3.54	3.53
<i>General</i>	3.22	3.28	3.37	3.54	3.59	3.56	3.58	3.57	3.56	3.56
<i>Irrigation</i>	2.52	2.55	2.69	2.79	2.84	2.84	2.82	2.79	2.80	2.78
Other	6.87	7.09	7.29	7.77	7.64	6.59	7.78	7.73	7.60	7.81
All tariff	4.89	5.14	5.30	5.63	5.71	5.66	5.72	5.73	5.72	5.71
Average no. of units per consumer (kWh)										
Domestic	1,874	1,913	1,966	1,964	1,993	2,025	2,053	2,072	2,086	2,090
Commercial	19,189	19,847	20,651	21,497	21,719	22,213	22,799	22,767	22,674	22,801
Industrial	96,808	92,893	99,694	102,855	105,179	110,661	112,911	117,480	120,786	124,216
<i>General</i>	99,705	96,604	103,726	107,679	110,233	116,746	119,672	126,286	129,645	134,217
<i>Irrigation</i>	55,497	42,777	48,305	44,631	47,488	45,849	45,970	36,457	41,753	37,326
Other (Street Lightening)	93,867	84,099	73,227	53,187	49,620	47,410	45,904	44,977	44,318	43,902
All consumers	5,306	5,237	5,413	5,439	5,475	5,578	5,632	5,636	5,640	5,665

Source: Central Electricity Board

* Excluding VAT & meter rent

Figure 4.8 - Average sales price of electricity by tariff group, 2008 - 2017, Island of Mauritius

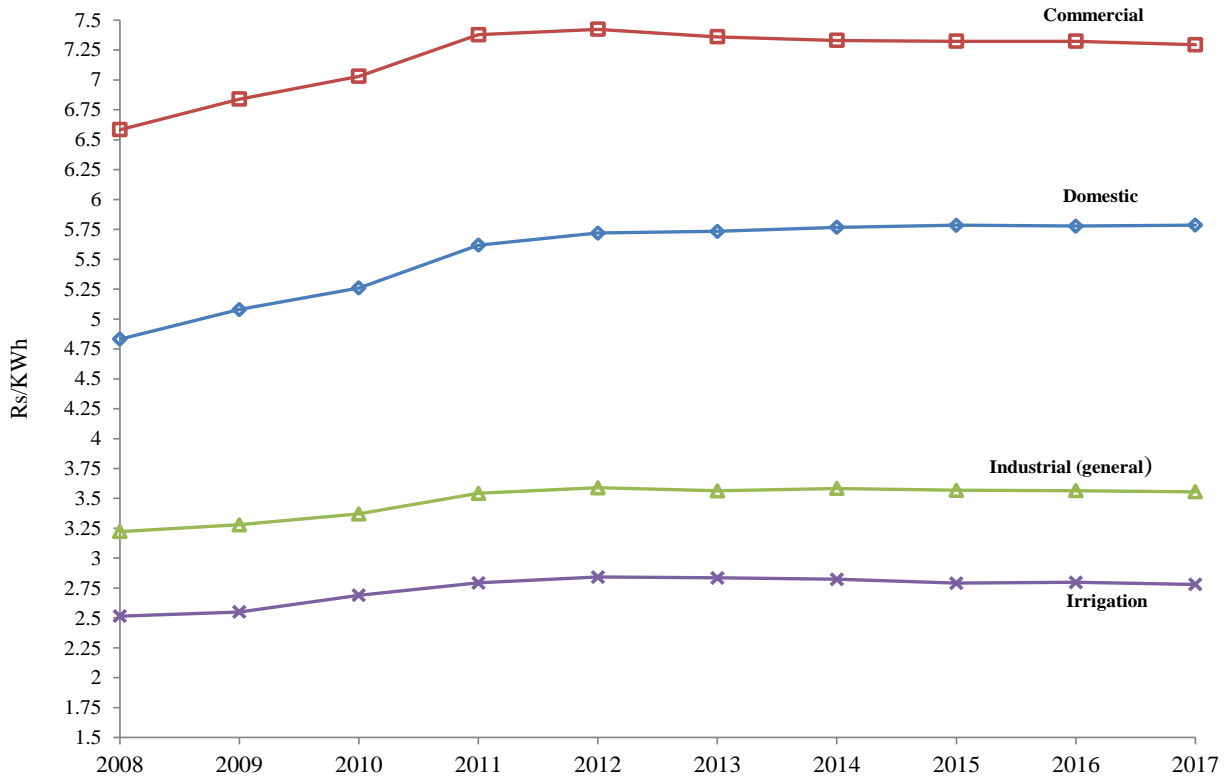


Figure 4.9 - Average no. of units used per consumer by tariff group, 2008 - 2017, Island of Mauritius

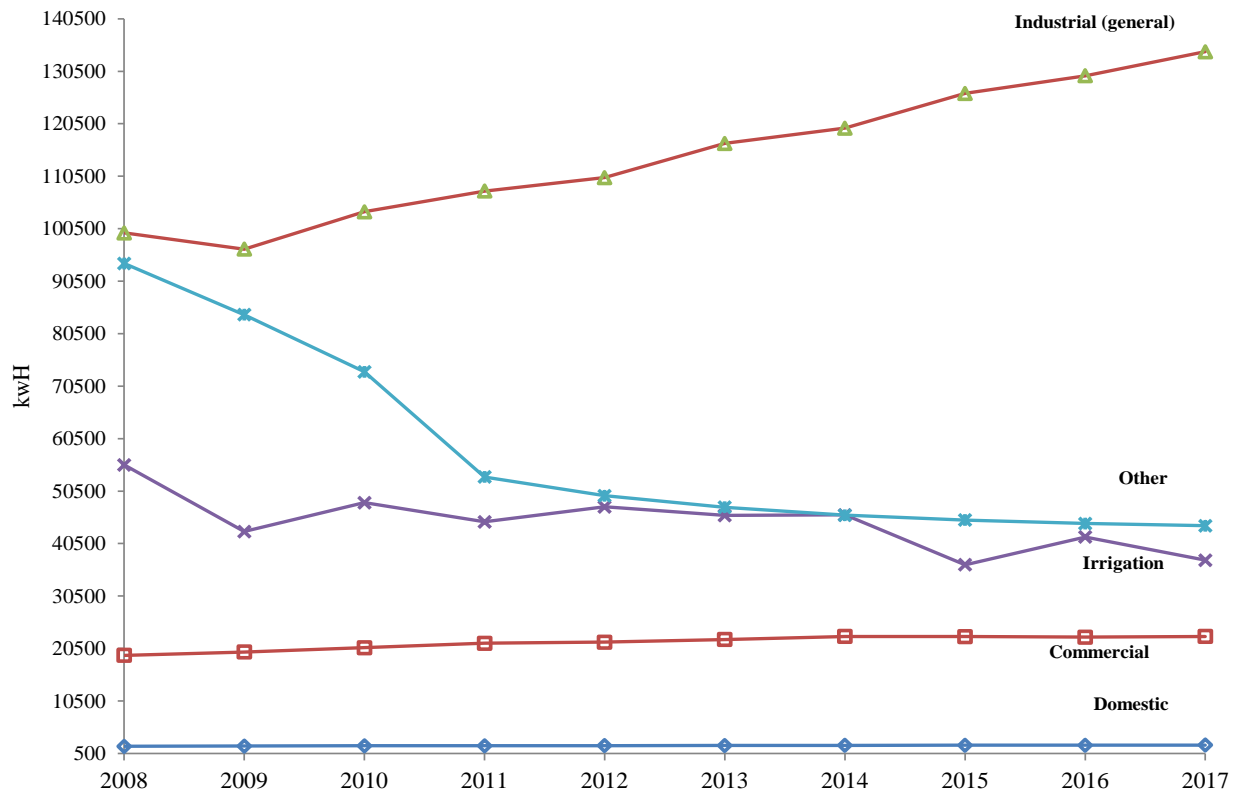
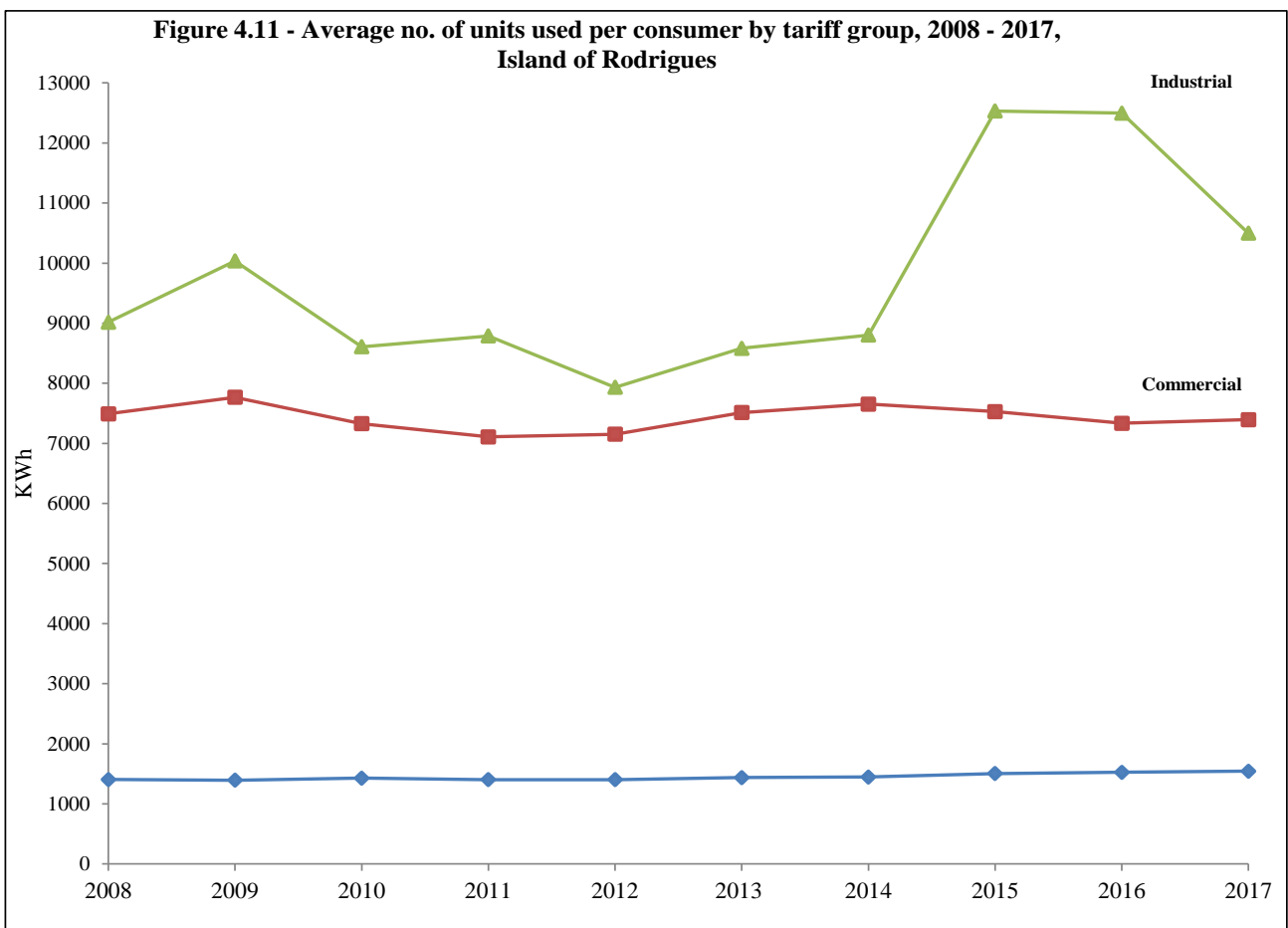
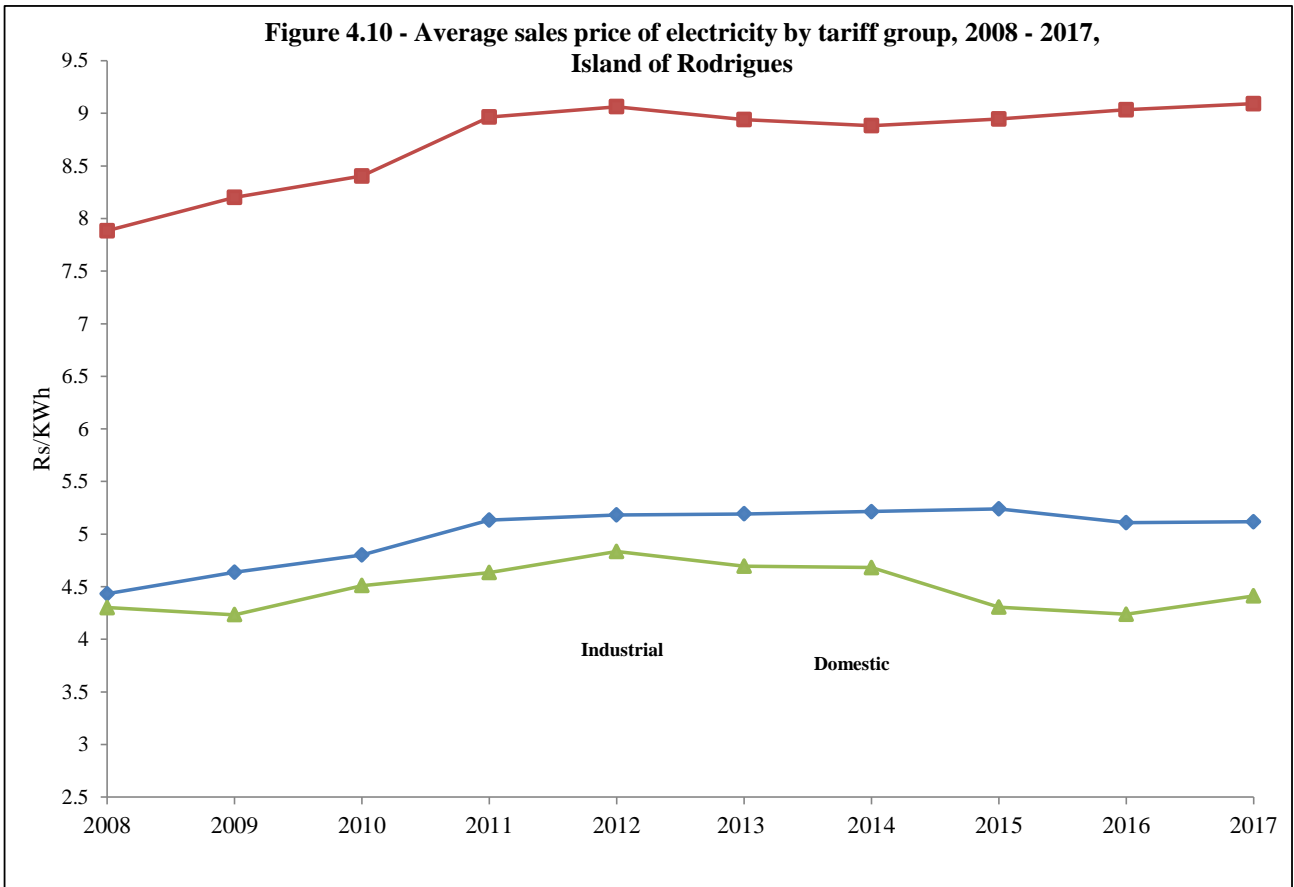


Table 4.9 - Sales of electricity by tariff group, 2008 - 2017, Island of Rodrigues

Tariff group	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Number of consumers										
Domestic	10,410	10,602	10,785	11,084	11,389	11,672	12,054	12,223	12,582	12,844
Commercial	1,091	1,100	1,143	1,209	1,257	1,272	1,312	1,344	1,418	1,496
Industrial	199	211	231	232	246	260	281	281	290	298
Other	7	7	7	7	8	9	9	8	7	7
Total	11,707	11,920	12,166	12,532	12,900	13,213	13,656	13,856	14,297	14,645
GWh sold										
Domestic	14.6	14.8	15.4	15.5	16.0	16.8	17.4	18.4	19.2	19.8
Commercial	8.2	8.5	8.4	8.6	9.0	9.6	10.0	10.1	10.4	11.1
Industrial	1.8	2.1	2.0	2.0	2.0	2.2	2.5	3.5	3.6	3.1
Other	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Total	25.3	26.1	26.4	26.9	27.6	29.2	30.6	32.7	33.9	34.7
Value sold (Rs mn)										
Domestic	64.9	68.6	74.0	79.8	82.8	87.0	90.9	96.3	98.0	101.5
Commercial	64.4	70.0	70.4	77.0	81.5	85.4	89.2	90.5	93.9	100.6
Industrial	7.7	9.0	9.0	9.4	9.4	10.5	11.6	15.2	15.4	13.8
Other	4.6	4.7	4.9	5.2	5.2	5.1	5.2	5.3	5.4	5.6
Total	141.6	152.3	158.2	171.5	178.9	188.0	196.8	207.3	212.7	221.4
Average sales price* (Rs/kWh)										
Domestic	4.43	4.64	4.80	5.13	5.18	5.19	5.21	5.24	5.11	5.12
Commercial	7.88	8.20	8.40	8.96	9.06	8.94	8.88	8.95	9.03	9.09
Industrial	4.30	4.23	4.51	4.63	4.83	4.70	4.68	4.31	4.24	4.41
Other	6.96	7.05	7.29	7.68	7.82	7.82	7.84	7.84	7.85	7.92
Average	5.61	5.83	5.98	6.39	6.49	6.44	6.43	6.34	6.28	6.38
Average no. of units per consumer (kWh)										
Domestic	1,406	1,395	1,429	1,403	1,403	1,436	1,446	1,504	1,525	1,544
Commercial	7,492	7,766	7,327	7,108	7,152	7,513	7,653	7,528	7,334	7,395
Industrial	9,016	10,036	8,608	8,788	7,933	8,583	8,801	12,533	12,496	10,497
Other	94,382	95,355	95,987	96,923	83,593	72,999	73,007	84,323	97,447	100,163
Average	2,158	2,191	2,174	2,143	2,139	2,211	2,241	2,360	2,371	2,371

Source: Central Electricity Board

* Excluding VAT & meter rent





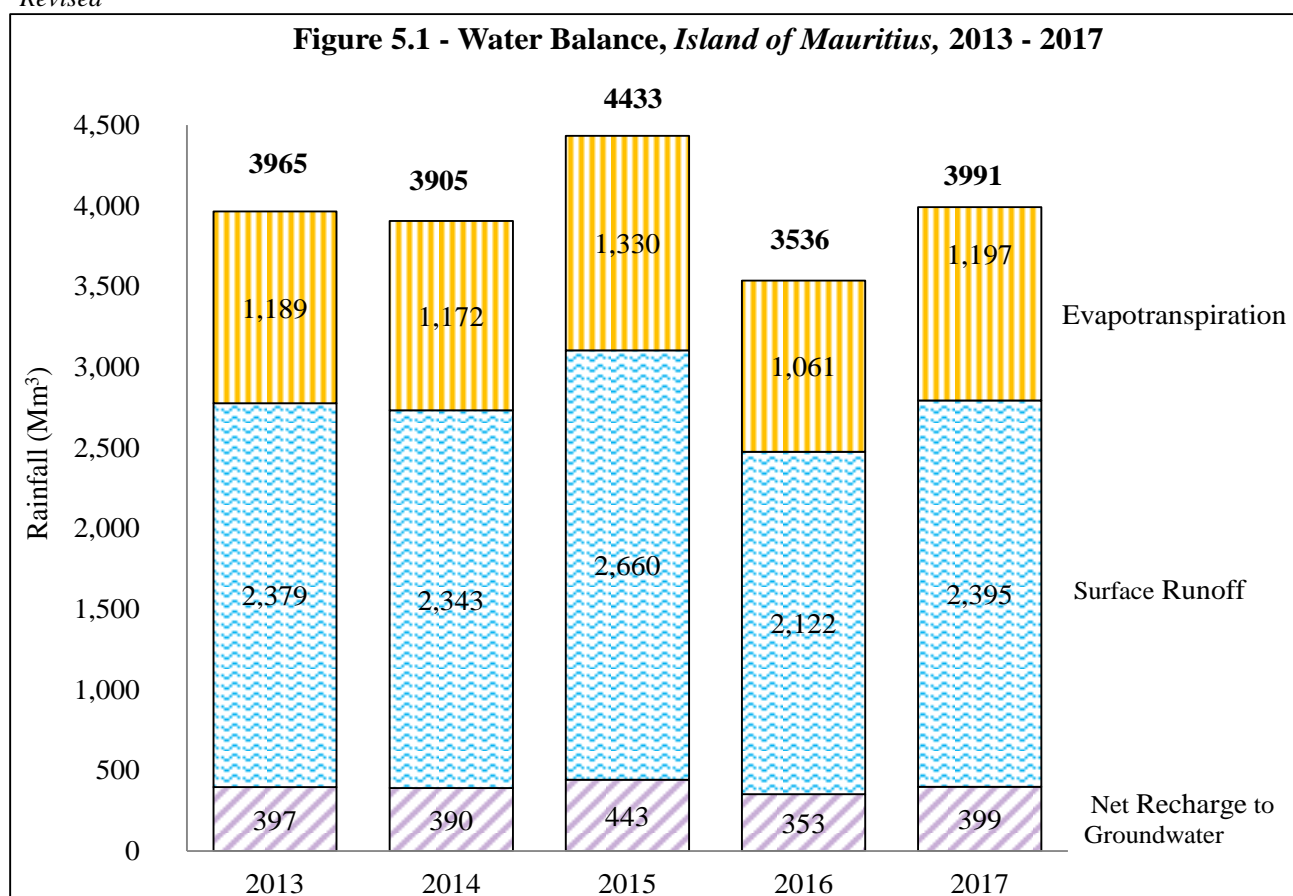
Section V
Water Statistics

Table 5.1 - Main water indicators¹, 2013 - 2017

Details	Unit	2013	2014	2015	2016 ²	2017
Mid-year population, Island of Mauritius	Thousand	1,217	1,219	1,220	1,221	1,222
Mean annual rainfall						
<i>Island of Mauritius</i>	Millimetres	2,126	2,094	2,377	1,896	2,134
<i>Island of Rodrigues</i>	Millimetres	978	1,145	1,272	840	970
<i>Pte Canon</i>	Millimetres	871	1,143	1,338	707	918
<i>Plaine Corail</i>	Millimetres					
Potable water : Island of Mauritius						
- Produced	Mm ³	217	229	245	247	261
- Consumed	Mm ³	96	97	98	100	105
Potable water produced per capita per day	litres	487	514	549	555	586
Potable water consumed per capita per day	litres	216	218	220	225	235
Consumption per capita per day for 'Domestic' tariffs	litres	165	167	168	171	180
Average price per m ³	Rs/m ³	12.12	12.21	12.24	12.24	12.58

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, 2015 - 2017, Island of Mauritius

Mm³

Utilisation	2015				2016				2017			
	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	87	133	255	36 ¹	88	133	257	44	88	130	262
Industrial	5	2	7	14	3	2 ²	7	12	3	2 ²	7	12
Agricultural	270	68	5	343	276	68 ³	7	351 ⁶	282	54 ³	5	341 ⁶
Hydropower	183	178	0	361	161 ⁴	180 ⁵	0	341	154 ⁴	158 ⁵	-	312
Overall Utilisation	493	335	145	973	476	338	147	961	483	302	142	927
Total Water Mobilisation	442	274	145	861	444	277	147	868	451	252	142	845

¹ Used also for Reduit hydropower station

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

⁵ used also at Midlands and La Nicoliere

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, 2008 - 2017, Island of Mauritius

Mm³

Sector	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Gross fresh surface water abstraction	497	511	513	449	460	487	489	467	473	473
<i>Water supply industry (Central Water Authority)</i>	107	112	110	94	97	112	115	122	124	132
<i>Manufacturing</i>	5	5	5	5	5	7	7	7	5	5
<i>Agriculture, forestry and fishing</i>	385	394	398	350	358	368	367	338	344	336
Gross ground water abstraction	119	121	124	122	122	121	131	145	147	142
<i>Water supply industry (Central Water Authority)</i>	107	111	113	111	109	108	119	133	133	130
<i>Manufacturing</i>	6	5	5	5	6	6	6	7	7	7
<i>Agriculture, forestry and fishing</i>	6	5	6	6	7	7	6	5	7	5
Total	616	632	637	571	582	608	620	612	620	615

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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	2.0	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, 2013 - 2017, Island of Mauritius

Millimetres

Period	Long Term Mean (1981-2010)	2013		2014		2015		2016		2017		Long Term Mean (1981-2010)	2013		2014		2015		2016		2017	
		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	1,262	98	1,264	98	1,386	107	1,053	81	1,322	102	2,572	2,668	104	2,607	101	2,958	115	2,284	89	2,532	104
Jan	177	159	90	242	137	266	150	104	59	66	37	306	329	108	513	168	496	162	240	78	147	49
Feb	245	463	189	127	52	161	66	378	154	232	95	393	488	124	237	60	308	78	410	104	307	83
Mar	190	151	80	175	92	244	128	91	48	145	76	326	519	159	333	102	525	161	187	57	347	111
Apr	137	86	63	165	120	69	50	114	83	178	130	279	274	98	371	133	141	51	346	124	310	124
May	89	38	42	103	116	134	151	39	44	255	287	197	70	35	146	74	211	107	185	94	428	225
Jun	63	33	52	19	30	142	225	55	87	92	146	153	101	66	94	62	271	177	149	97	219	146
Jul	71	11	15	23	33	64	90	70	99	80	113	181	115	63	153	84	215	119	248	137	272	154
Aug	59	49	82	58	97	46	78	53	90	95	161	153	139	91	121	79	207	135	191	125	164	109
Sep	57	13	23	22	39	23	40	16	28	21	37	136	52	38	64	47	63	46	68	50	85	66
Oct	42	91	217	50	119	94	224	20	48	41	98	107	170	159	90	84	181	169	65	61	79	81
Nov	45	123	273	49	109	62	138	38	84	95	211	114	244	213	134	117	132	115	80	70	106	100
Dec	119	46	39	230	193	81	68	75	63	22	18	227	167	74	351	155	208	92	115	51	68	33
Year	East											West										
	2,568	2,716	106	2,758	107	2,959	115	2,584	101	3,022	118	912	971	106	906	99	1,242	136	662	73	678	74
Jan	309	337	109	524	170	602	195	241	78	195	63	186	88	47	306	165	306	165	97	52	98	53
Feb	427	680	159	250	59	330	77	557	130	486	114	219	245	112	101	46	155	71	282	129	143	65
Mar	338	367	109	376	111	455	135	218	64	343	101	138	192	139	96	70	286	207	38	28	112	81
Apr	280	307	110	294	105	181	65	318	114	392	140	85	54	64	90	106	77	91	81	95	62	73
May	207	67	33	151	73	235	114	157	76	616	298	40	9	23	26	65	34	85	10	25	67	168
Jun	143	99	69	88	61	299	209	182	127	217	152	25	4	15	2	10	66	264	9	36	23	92
Jul	164	94	57	188	114	196	120	255	155	170	104	23	1	3	10	41	27	117	6	26	26	113
Aug	138	159	115	173	125	207	150	163	118	218	158	17	37	216	51	301	39	229	41	241	15	88
Sep	130	49	38	74	57	48	37	58	45	71	55	27	1	4	11	40	20	74	2	7	9	33
Oct	101	192	190	92	91	200	198	59	58	91	90	22	45	206	11	51	62	282	19	86	6	27
Nov	107	248	232	107	100	85	79	88	82	149	139	30	259	863	13	43	60	200	5	17	35	117
Dec	224	117	52	442	197	121	54	288	129	74	33	100	35	35	189	189	110	110	72	72	82	82

Source: Mauritius Meteorological Services

Table 5.5 - Mean rainfall, 2013 - 2017, Island of Mauritius (cont'd)

Millimetres

Period	Long Term Mean (1981-2010)	2013		2014		2015		2016		2017		
		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		Centre										
		2,568	2,898	113	2,833	110	3,238	126	2,801	109	3,014	117
Jan	333	357	107	510	153	606	182	246	74	224	67	
Feb	446	545	122	203	46	390	87	576	129	483	108	
Mar	315	515	163	355	113	481	153	222	70	360	114	
Apr	268	335	125	292	109	200	75	350	131	368	137	
May	196	80	41	192	98	200	102	226	115	456	233	
Jun	141	131	93	96	68	300	213	254	180	216	153	
Jul	173	100	58	247	143	231	134	301	174	226	131	
Aug	151	161	106	178	118	208	138	193	128	221	146	
Sep	124	66	53	95	76	72	58	94	76	87	70	
Oct	107	182	170	74	69	215	201	82	77	120	112	
Nov	92	299	325	130	141	133	145	101	110	133	145	
Dec	222	128	58	462	208	202	91	156	70	120	54	
Year		Whole Island										
		2,003	2,126	106	2,094	105	2,377	119	1,896	95	2,134	107
Jan	263	258	98	419	159	455	173	185	70	146	56	
Feb	348	486	140	184	53	271	78	442	127	332	95	
Mar	263	355	135	270	103	400	152	153	58	264	100	
Apr	212	214	101	247	117	134	63	245	116	265	125	
May	148	54	37	127	86	165	111	127	86	367	248	
Jun	107	75	70	61	57	218	204	133	124	152	142	
Jul	125	65	52	126	101	150	120	180	144	160	128	
Aug	106	110	104	116	110	143	135	130	123	145	137	
Sep	96	37	39	54	56	46	48	49	51	56	58	
Oct	77	138	179	64	84	152	197	50	65	69	90	
Nov	78	233	299	89	114	96	123	64	82	105	135	
Dec	180	101	56	336	187	147	82	138	77	73	41	

Source: Mauritius Meteorological Services

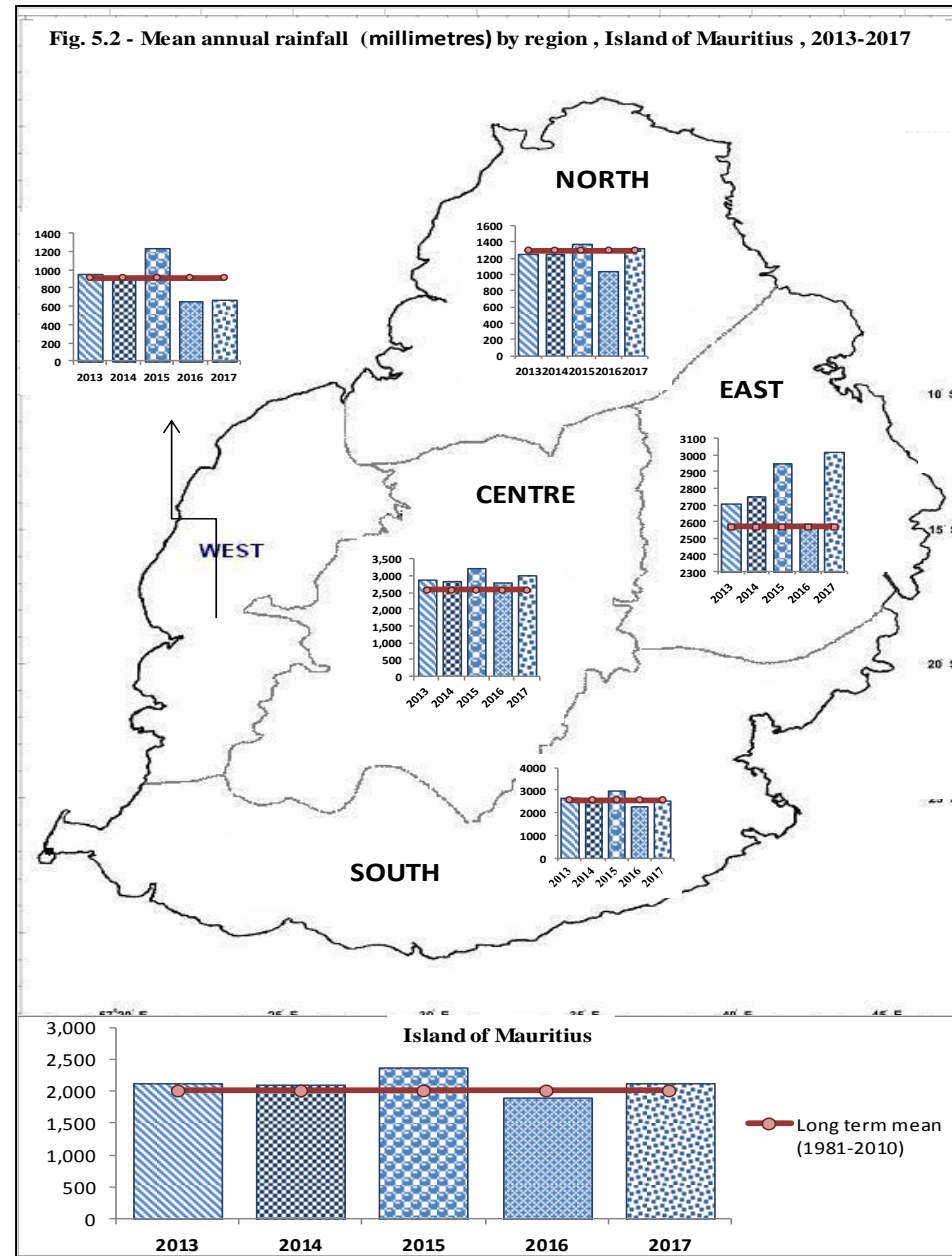


Table 5.6 - Mean rainfall, 2013 - 2017, Island of Rodrigues

Millimetres

Period	Long Term Mean (1981-2010)	2013		2014		2015		2016		2017		Long Term Mean (1981-2010)	2013		2014		2015		2016		2017			
		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean	Mean	% of Long Term Mean		
Year		Oyster Bay											Plaine Corail											
		1,273	1,051	83	1,329	104	1,385	109	916	72	1,122	88		1,006	871	87	1,143	114	1,338	133	707	70	918	92
Jan	173	60	35	9	5	312	181	70	41	59	34		133	67	50	55	42	333	250	58	44	56	42	
Feb	179	252	141	98	55	35	20	102	57	61	34		166	197	119	88	53	22	13	124	75	84	50	
Mar	146	112	77	386	263	182	124	73	50	89	61		135	33	24	350	260	201	149	46	34	114	85	
Apr	147	59	40	105	71	160	109	138	94	172	117		116	137	118	67	58	140	121	91	79	116	100	
May	94	56	59	61	64	89	94	80	85	171	182		74	24	32	70	95	41	55	71	96	113	152	
Jun	82	50	61	153	187	48	59	91	112	154	189		61	36	59	104	170	19	31	31	51	137	224	
Jul	106	24	23	184	173	82	77	138	130	131	123		65	31	48	110	170	47	72	87	134	94	145	
Aug	83	115	138	85	102	77	92	42	51	66	79		47	112	239	82	174	55	117	43	92	58	122	
Sep	62	92	149	55	89	48	77	45	73	50	81		46	62	135	81	177	36	78	18	38	26	57	
Oct	58	116	201	19	33	208	361	12	21	91	157		37	63	171	13	34	279	754	3	8	81	222	
Nov	75	34	45	100	134	20	27	58	77	59	79		64	23	36	86	134	11	17	48	75	24	37	
Dec	68	81	119	75	110	123	181	65	95	20	29		62	85	137	36	58	154	248	86	139	16	27	
Year		Port Sud Est											Marechal											
		1,098	716	65	760	69	1,025	93	429	39	410	37		1,469	1,519	103	1,056	72	1,061	72	522	36	698	48
Jan	156	28	18	4	3	397	254	33	21	39	25		180	70	39	15	8	305	169	43	24	58	32	
Feb	193	123	64	40	21	9	5	73	38	37	19		214	405	190	76	36	17	8	88	41	36	17	
Mar	147	17	12	230	157	132	90	88	60	96	66		157	107	68	321	204	127	81	99	63	74	47	
Apr	133	163	123	40	30	124	93	44	33	90	68		186	329	177	59	32	95	51	83	45	83	45	
May	79	48	60	50	63	42	53	39	49	59	75		111	22	20	61	55	44	39	90	81	101	91	
Jun	68	23	34	117	171	27	39	32	48	-	-		97	48	50	108	111	31	32	0	0	114	118	
Jul	71	20	28	62	87	17	24	36	51	-	-		108	56	52	105	97	27	25	0	0	99	92	
Aug	56	100	179	70	124	13	23	11	20	-	-		93	189	203	89	95	49	52	0	0	56	60	
Sep	47	55	117	27	57	14	30	0	0	14	30		73	82	113	48	66	26	36	0	0	27	37	
Oct	41	67	164	5	12	153	376	2	6	37	91		69	101	146	23	33	241	348	7	10	-	-	
Nov	51	19	37	90	176	6	11	30	59	25	50		97	20	21	68	69	13	13	67	69	43	44	
Dec	55	53	97	26	48	92	168	41	74	12	21		83	90	108	85	102	85	102	45	53	7	8	

Source: Mauritius Meteorological Services

Table 5.6 - Mean rainfall, 2013 - 2017, Island of Rodrigues (cont'd)

Millimetres

Period	Long Term Mean	2013		2014		2015		2016		2017		Long Term Mean	2013		2014		2015		2016		2017	
		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	(1981-2010)	Solitude										(1993-2010)	Baie Topaze									
	1,380	1,271	92	1,347	98	1,480	107	1,034	75	1,112	81	1,022	1,177	115	1,139	112	1,215	119	715	70	1,053	103
Jan	155	80	52	58	38	391	252	65	42	60	39	134	48	36	50	37	287	214	90	67	122	91
Feb	203	260	128	84	41	49	24	97	48	30	15	152	344	226	77	51	39	26	80	53	101	66
Mar	160	118	74	351	220	207	130	107	67	98	62	142	52	37	322	227	184	130	42	30	102	72
Apr	170	196	115	121	71	179	105	133	78	176	104	116	229	197	56	48	134	115	94	81	120	103
May	104	47	45	88	84	100	95	119	114	197	189	73	29	40	76	104	64	87	66	91	107	145
Jun	85	43	50	125	147	40	47	94	110	136	159	73	45	62	123	168	14	19	36	49	146	199
Jul	109	9	8	196	181	77	71	136	125	145	133	71	37	52	119	167	45	64	89	126	104	147
Aug	91	118	129	87	95	75	82	62	68	69	76	60	137	228	85	141	59	98	41	68	63	104
Sep	74	101	137	40	55	37	49	57	77	28	37	45	62	137	58	128	49	108	34	76	26	57
Oct	65	142	218	11	16	186	286	13	19	83	127	46	87	190	14	30	252	549	8	17	102	221
Nov	88	71	81	97	110	35	40	86	98	66	76	64	34	53	70	110	10	16	104	163	50	78
Dec	75	86	83	88	117	104	138	67	89	23	31	46	73	159	91	198	78	171	30	65	12	26
Year	(1982-2010)	Citronelle										(2001-2010)	Roche Bon Dieu¹		(2001-2010)	Terre Rouge¹		(2004-2010)	Welcome¹			
	1,696	1,434	85	1,630	96	1,804	106	1,304	77	1,200	71	1,313	...	...	1,380	960	70	1,053	1,055	100		
Jan	181	79	44	78	43	413	229	105	58	85	47	131	33	25	109	57	53	130	85	65		
Feb	244	261	107	89	36	49	20	126	51	38	16	207	35	17	151	27	18	153	49	32		
Mar	186	128	69	408	220	249	134	137	74	104	56	214	112	52	264	94	36	148	109	74		
Apr	206	196	95	127	61	217	105	158	77	135	65	167	119	71	189	122	65	105	163	155		
May	143	57	40	80	56	105	73	167	117	210	147	118	127	108	134	182	136	107	124	116		
Jun	117	64	55	176	150	36	31	126	108	193	164	82	106	130	89	115	128	64	156	244		
Jul	137	28	21	218	160	92	68	200	146	150	110	112	61	54	113	103	91	90	117	129		
Aug	112	154	137	123	110	80	71	90	80	90	80	68	39	57	90	65	72	55	69	126		
Sep	97	132	137	54	56	42	44	41	42	66	68	79	19	24	81	33	40	50	28	56		
Oct	83	179	215	36	43	317	380	3	3	103	123	48	...	...	58	72	123	38	78	208		
Nov	105	44	42	143	136	39	37	83	79	...	...	41	...	...	48	64	132	59	52	88		
Dec	85	112	132	98	116	165	195	68	81	28	33	46	...	...	53	26	49	53	24	45		

Source: Mauritius Meteorological Services

¹ Data refers to year 2017

Table 5.6 - Mean rainfall, 2013 - 2017, Island of Rodrigues (cont'd)

Millimetres

Period	Long Term Mean (1981-2010)	2013		2014		2015		2016		2017	
		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	Pte Canon										
	1,103	978	89	1,145	104	1,272	115	840	76	970	88
Jan	149	70	47	44	30	303	203	46	31	52	35
Feb	160	218	136	62	39	37	23	82	51	36	22
Mar	133	90	67	304	228	168	126	84	63	85	64
Apr	138	144	104	113	82	156	113	123	89	174	126
May	84	40	48	76	91	89	106	107	128	157	187
Jun	72	44	61	105	146	31	43	78	109	130	181
Jul	87	13	15	174	200	67	77	92	105	89	102
Aug	63	93	148	56	89	68	108	50	80	57	90
Sep	51	68	133	36	70	42	82	43	85	40	79
Oct	43	90	208	22	51	189	440	10	23	67	155
Nov	64	30	47	74	116	22	34	55	86	62	96
Dec	58	80	138	78	134	100	172	68	117	20	35

Source: Mauritius Meteorological Services

Figure 5.3 - Mean annual rainfall by region, 2013-2017, Island of Rodrigues

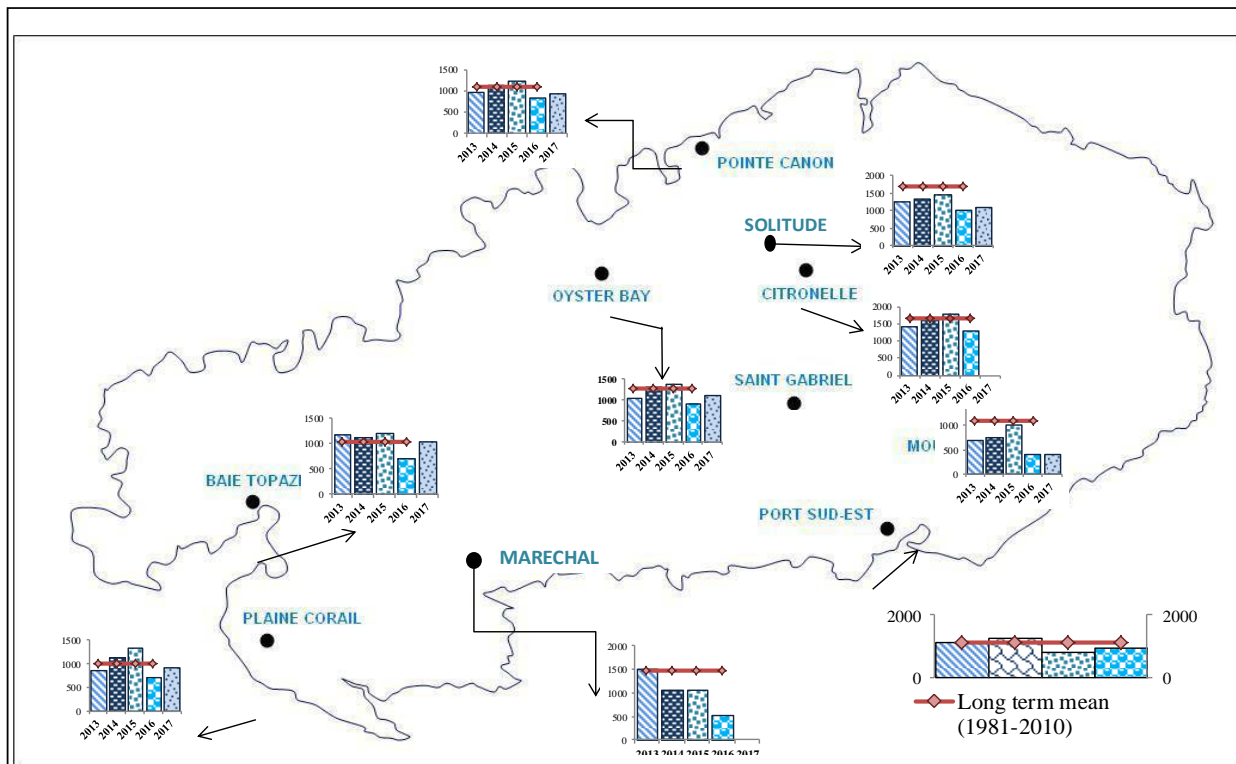


Table 5.7- Percentage of water level by month and reservoir, 2013 - 2017, Island of Mauritius

Period	Average for 1990-1999 (%)	2013			2014			2015			2016			2017		
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)
Mare aux Vacoas (Capacity 25.89 Mm³)																
Jan	60	61	52	64	65	56	67	75	63	99	71	69	72	51	48	56
Feb	65	73	63	85	72	67	74	100	99	100	82	70	88	61	47	67
Mar	80	92	85	99	77	72	84	98	96	100	88	85	90	67	64	70
Apr	83	100	99	100	86	81	90	95	92	97	90	83	96	71	69	74
May	83	95	91	99	90	87	92	88	84	91	97	95	100	98	81	100
Jun	81	87	84	90	84	80	87	89	86	93	98	94	99	97	95	99
Jul	79	79	76	84	80	78	82	92	90	98	99	98	100	95	93	96
Aug	80	75	72	76	82	81	83	98	96	100	98	94	100	98	97	100
Sep	78	68	64	72	77	74	81	94	89	98	90	86	94	92	87	97
Oct	72	60	55	64	68	63	73	88	85	91	80	76	86	81	75	87
Nov	63	57	55	62	58	54	63	83	80	85	72	67	75	72	67	76
Dec	58	59	56	62	56	53	63	75	70	80	62	56	67	60	54	66
La Nicoliere (Capacity 5.26 Mm³)																
Jan	63	51	44	56	84	57	100	99	95	100	65	61	79	61	56	65
Feb	75	80	53	100	91	81	100	96	85	100	94	81	100	86	62	99
Mar	91	100	100	100	88	78	100	100	100	100	99	94	100	93	83	100
Apr	92	100	100	100	94	82	100	98	88	100	97	88	100	100	99	100
May	95	92	72	100	98	84	100	95	87	100	100	99	100	100	98	100
Jun	94	50	41	70	68	58	84	100	93	100	99	96	100	98	90	100
Jul	93	58	56	59	61	58	72	100	97	100	100	100	100	85	74	93
Aug	94	65	58	72	82	73	87	100	99	100	98	89	100	94	83	100
Sep	89	75	71	77	74	60	83	77	62	100	73	68	87	80	61	100
Oct	69	57	39	71	50	43	60	67	62	73	58	48	67	49	38	60
Nov	46	45	39	54	39	30	48	65	63	67	49	47	51	39	37	42
Dec	39	62	57	66	62	39	97	61	60	63	58	45	63	36	32	40
Piton du Milieu (Capacity 2.99 Mm³)																
Jan	64	48	27	61	93	61	100	100	97	100	52	50	54	42	38	48
Feb	72	84	61	100	99	98	100	99	99	100	82	52	100	85	42	100
Mar	88	99	98	100	99	99	100	99	98	100	99	98	100	99	98	100
Apr	89	100	98	100	99	97	100	98	95	100	99	95	100	99	99	100
May	91	95	89	99	98	95	100	91	89	95	99	99	100	99	98	100
Jun	86	84	82	89	88	81	94	95	91	100	100	99	100	99	98	100
Jul	83	79	75	83	77	74	83	99	98	100	100	99	100	99	98	100
Aug	83	71	69	74	87	83	88	98	96	100	99	96	100	99	99	100
Sep	81	68	64	70	83	76	88	89	81	96	90	84	96	95	91	99
Oct	73	58	51	64	67	59	76	80	76	84	77	70	84	83	77	90
Nov	60	53	50	60	50	43	58	72	66	75	64	57	70	74	72	77
Dec	57	61	56	64	55	39	96	57	50	65	53	49	57	66	63	71

Source: Water Resources Unit, Ministry of Energy & Public Utilities

Table 5.7 - Percentage of water level by month and reservoir, 2013-2017, Island of Mauritius (cont'd)

Period	Average for 1990-1999 (%)	2013			2014			2015			2016			2017			
		Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	Mean (%)	Min. (%)	Max. (%)	
La Ferme (Capacity 11.52 Mm³)																	
Jan	23	26	21	28	67	43	82	61	46	70	54	53	56	32	29	37	
Feb	30	40	27	68	88	82	91	72	70	76	69	55	81	46	30	57	
Mar	64	90	69	100	90	88	91	83	73	87	81	78	84	66	57	77	
Apr	75	100	99	100	89	86	91	81	80	83	79	76	81	79	76	81	
May	77	90	79	99	87	82	90	80	78	81	80	78	81	83	81	86	
Jun	69	71	68	78	77	71	81	81	79	84	81	78	83	85	81	87	
Jul	58	63	56	68	64	60	70	84	83	86	81	80	83	75	71	81	
Aug	49	52	47	56	57	55	60	83	80	86	83	82	84	68	66	71	
Sep	37	40	33	46	51	45	55	75	68	80	79	74	82	61	58	66	
Oct	25	28	22	33	38	33	45	64	59	68	69	63	74	54	49	59	
Nov	13	24	21	35	29	24	33	59	56	62	57	51	63	43	37	49	
Dec	10	44	37	46	28	22	45	54	53	55	43	37	50	32	29	37	
Mare Longue (Capacity 6.28 Mm³)																	
Jan	32	43	36	47	74	62	78	81	68	100	8	0	15	60	56	65	
Feb	48	56	46	69	91	79	96	96	89	99	32	15	45	75	57	81	
Mar	73	82	70	95	98	95	100	98	93	100	53	45	57	84	79	89	
Apr	75	100	99	100	99	98	100	84	73	92	68	57	79	90	88	94	
May	77	98	94	99	93	75	100	61	50	72	88	79	96	97	52	100	
Jun	73	91	89	94	70	65	75	48	43	53	99	96	100	96	94	98	
Jul	65	84	81	89	65	64	65	59	53	66	100	99	100	93	92	95	
Aug	63	80	79	81	66	65	66	59	52	65	99	99	100	97	94	100	
Sep	58	77	72	80	64	62	66	43	34	63	99	98	99	93	89	98	
Oct	46	68	63	72	55	50	62	30	25	34	92	86	98	84	79	89	
Nov	28	64	62	66	46	43	50	25	21	27	81	76	86	75	71	79	
Dec	20	64	62	67	52	45	67	5	0	21	71	64	76	66	61	70	
All reservoirs, excluding Midlands Dam (Capacity 51.94 Mm³)																	
Jan	49	49	41	53	70	54	77	77	66	92	58	56	61	49	46	53	
Feb	56	65	52	82	80	54	83	93	90	94	74	61	83	63	46	71	
Mar	77	91	82	99	85	82	89	95	93	96	84	83	86	73	69	79	
Apr	82	100	99	100	90	86	92	91	87	93	86	80	91	80	78	82	
May	83	94	87	99	91	85	94	84	80	86	93	91	94	95	86	96	
Jun	79	80	78	86	79	74	85	83	81	87	94	93	96	95	92	96	
Jul	75	74	71	78	73	71	74	89	86	91	95	95	96	90	87	92	
Aug	73	69	67	71	75	74	76	90	89	92	95	92	96	91	89	93	
Sep	68	64	59	67	70	65	74	82	74	89	87	83	91	84	79	91	
Oct	58	53	47	59	58	53	64	73	69	77	77	71	83	72	66	78	
Nov	46	49	47	55	48	44	53	68	65	70	67	62	71	62	58	66	
Dec	41	57	54	58	50	43	65	59	56	65	58	53	62	52	48	57	
Midlands Dam (Capacity 25.5 Mm³)																	
Jan	Impounding of reservoir started on 13 September 2002	47	37	52	56	39	64	78	61	100	64	61	66	42	36	49	
Feb		66	53	81	71	66	76	99	99	100	76	59	90	56	38	65	
Mar		91	81	100	86	77	100	99	99	100	97	90	99	73	65	81	
Apr		100	97	100	99	99	100	99	99	100	99	99	100	89	81	97	
May		97	96	98	99	98	100	99	99	100	99	98	100	100	99	100	
Jun		93	88	97	98	93	99	99	99	98	100	99	98	100	99	99	100
Jul		79	71	87	88	85	92	99	99	100	99	98	100	99	99	100	
Aug		64	59	70	86	85	87	99	99	100	99	98	100	99	99	100	
Sep		55	50	59	81	75	85	98	93	99	96	91	99	99	96	99	
Oct		45	40	50	65	56	75	93	90	95	84	77	94	87	79	96	
Nov		42	41	44	50	45	56	87	81	90	69	61	76	73	71	78	
Dec		41	38	44	46	40	60	72	63	80	55	49	60	60	49	70	

Source: Water Resources Unit, Ministry of Energy & Public Utilities

Figure 5.4 - Water level in each reservoir, 2013 - 2017, Island of Mauritius

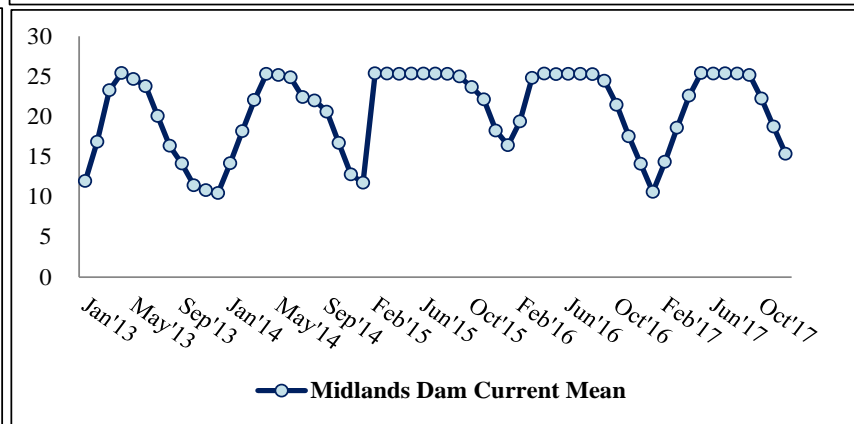
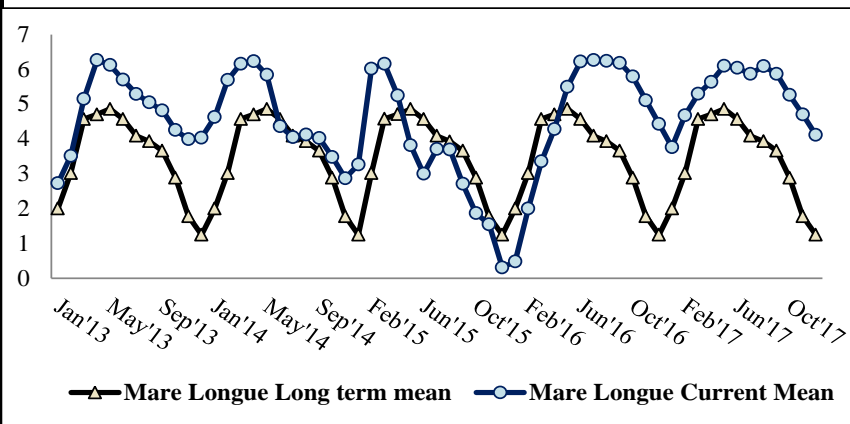
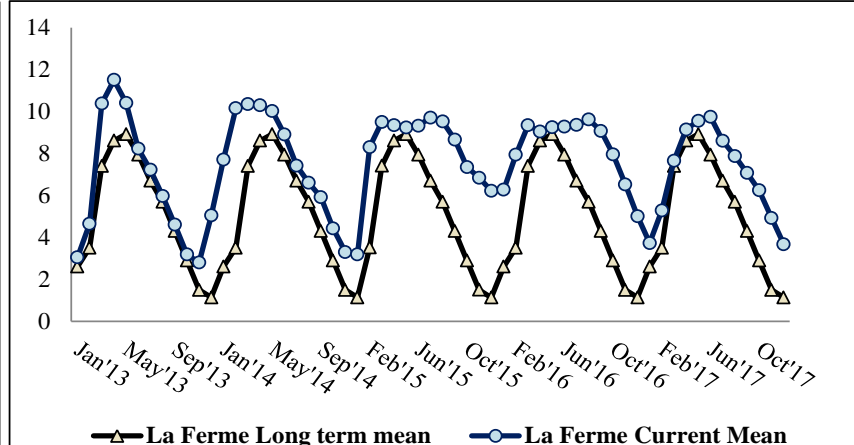
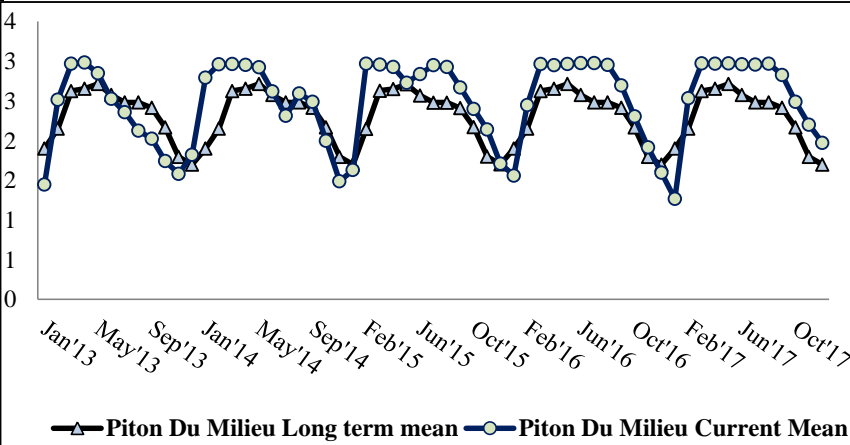
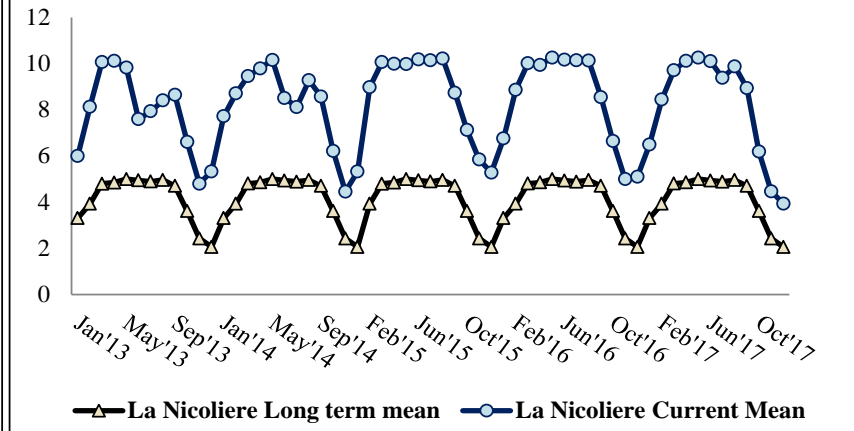
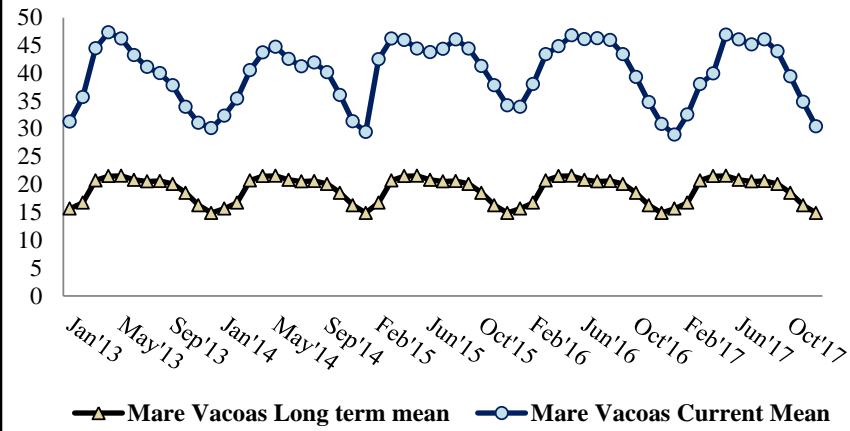


Table 5.8 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2013 - 2017, Island of Mauritius

Month	Mare Aux Vacoas (Upper)			Mare Aux Vacoas (Lower)			Port -Louis			District water supply - North			District water supply - South			District water supply - East			Total production							
	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface	Borehole	Total	Surface (%)	Borehole (%)
	Mm ³																									
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			
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			

Table 5.8 - Average monthly potable water production from treatment plants and boreholes to distribution systems, 2013 - 2017, 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 (%)	
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	
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	21.6	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	9.8	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	20.6	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	20.9	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	21.3	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	19.9	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	19.3	49	51	

Source: Central Water Authority

Table 5.8 -Average monthly potable water production from treatment plants and boreholes to distribution systems, 2013 - 2017, 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																						
2017	43.6	7.8	51.4	10.6	35.5	46.2	31.3	13.0	44.2	31.2	7.8	39.0	11.3	26.6	38.0	15.6	26.9	42.5	143.6	117.7	261.3	55	45
Jan	3.6	0.7	4.2	0.9	2.6	3.5	2.3	1.1	3.4	2.6	0.6	3.2	1.0	2.1	3.0	1.2	2.4	3.6	11.5	9.3	20.8	55	45
Feb	3.3	0.6	3.9	0.8	2.9	3.6	2.4	0.8	3.2	2.4	0.6	3.0	0.9	2.0	2.9	1.3	2.1	3.4	11.1	9.0	20.1	55	45
Mar	3.7	0.8	4.4	0.8	3.2	4.0	2.6	1.2	3.8	2.7	0.7	3.4	0.9	2.3	3.2	1.5	2.2	3.7	12.1	10.3	22.4	54	46
Apr	3.5	0.6	4.1	0.8	3.0	3.8	2.4	1.1	3.5	2.5	0.6	3.1	1.0	2.3	3.2	1.3	2.3	3.5	11.4	9.8	21.2	54	46
May	3.7	0.7	4.4	0.9	3.1	4.0	2.7	1.1	3.8	2.7	0.7	3.4	1.0	2.4	3.4	1.3	2.3	3.6	12.2	10.3	22.5	54	46
Jun	3.6	0.7	4.3	0.9	2.9	3.8	2.8	1.1	3.9	2.5	0.7	3.2	1.0	2.2	3.2	1.5	2.2	3.7	12.2	9.7	21.9	56	44
Jul	3.7	0.7	4.4	0.9	3.1	4.0	2.8	1.1	3.9	2.6	0.7	3.3	0.9	2.3	3.2	1.3	2.3	3.6	12.2	10.1	22.2	55	45
Aug	3.7	0.7	4.4	0.9	3.1	4.0	2.5	1.1	3.6	2.5	0.7	3.2	1.0	2.4	3.4	1.1	2.4	3.5	11.7	10.4	22.0	53	47
Sep	3.7	0.6	4.3	0.9	3.0	3.9	2.7	1.1	3.8	2.4	0.7	3.1	0.9	2.1	3.0	1.2	2.2	3.4	11.8	9.7	21.5	55	45
Oct	3.8	0.6	4.4	0.9	3.0	3.9	2.8	1.1	3.9	2.6	0.7	3.3	0.9	2.3	3.2	1.2	2.3	3.5	12.2	10.0	22.2	55	45
Nov	3.7	0.6	4.3	0.9	3.0	3.9	2.7	1.1	3.8	2.7	0.6	3.3	0.9	2.3	3.2	1.4	2.2	3.6	12.3	9.8	22.1	56	44
Dec	3.8	0.7	4.4	1.2	2.8	3.9	2.7	1.1	3.8	3.0	0.6	3.6	1.0	2.1	3.1	1.4	2.2	3.6	13.0	9.4	22.4	58	42

Source: Central Water Authority

Figure 5.5 - Average Monthly Potable Water Production (Mm³) from treatment plants and boreholes to distribution systems, 2015-2017, Island of Mauritius

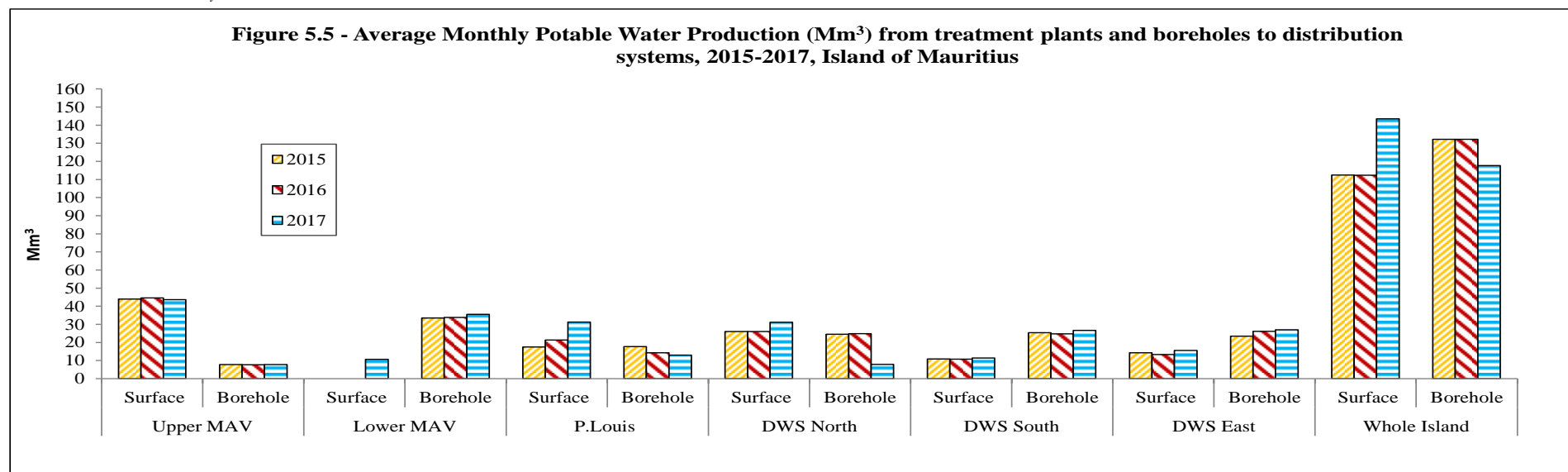


Table 5.9 - Water sales by tariff¹ of subscriber, 2014-2017, Island of Mauritius

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
	2014				2015			
Domestic	323,254	74,184	703,967	9.49	328,720	75,056	707,141	9.42
Public Sector Agency Acquired / concessionary prizes	2,539	3,812	91,480	24.00	2,533	3,959	94,835	23.96
Business	34	12	122	10.32	31	11	140	12.22
Commercial	1,145	7,226	249,316	34.50	1,147	7,328	252,618	34.47
Religious	13,832	6,077	161,438	26.57	13,873	6,147	163,046	26.52
Industrial	2,036	605	11,926	19.70	2,080	625	12,257	19.62
	597	3,604	65,472	18.17	573	3,728	67,688	18.16
Sub total	343,437	95,520	1,283,721	13.44	348,957	96,854	1,297,726	13.40
Agriculture	3,960	1,358	19,627	14.46	3,977	1,308	19,250	14.72
Total potable water	347,397	96,877	1,303,349	13.45	352,934	98,162	1,316,976	13.42
Total non-treated water (Agriculture/ Industrial)	350	14,903	61,656	4.14	369	14,858	66,240	4.46
Grand Total	347,747	111,780	1,365,005	12.21	353,303	113,020	1,383,216	12.24
	2016				2017			
Domestic	335,058	76,346	722,649	9.47	341,939	80,157	775,101	9.67
Public Sector Agency Acquired / concessionary prizes	2,548	4,048	97,262	24.03	2,575	3,993	96,039	24.05
Business	30	13	186	14.60	30	14	178	13.17
Commercial	1,177	7,574	261,108	34.47	1,216	7,798	268,798	34.47
Religious	14,382	6,502	173,643	26.71	15,013	6,823	182,234	26.71
Industrial	2,125	651	13,078	20.08	2,181	702	14,469	20.60
	554	3,819	69,494	18.20	544	3,735	67,935	18.19
Sub total	355,874	98,953	1,337,420	13.52	363,498	103,222	1,404,755	13.61
Agriculture	4,077	1,363	20,439	14.99	4,111	1,409	21,212	15.05
Total potable water	359,951	100,316	1,357,858	13.54	367,609	104,631	1,425,967	13.63
Total non-treated water (Agriculture/ Industrial)	377	18,543	96,977	5.23	387	14,948	78,081	5.22
Grand Total	360,328	118,859	1,454,835	12.24	367,996	119,579	1,504,049	12.58

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'.

Figure 5.6 - Percentage of water sold by tariff of subscriber, 2017

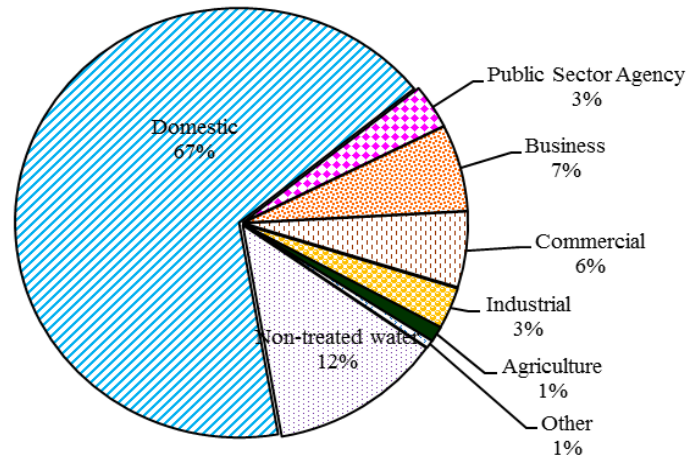


Figure 5.7 - Percentage of amount collectible by tariff of subscriber, 2017

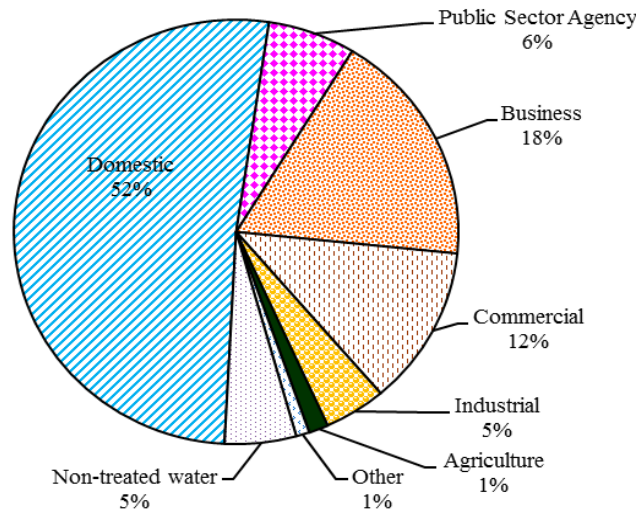
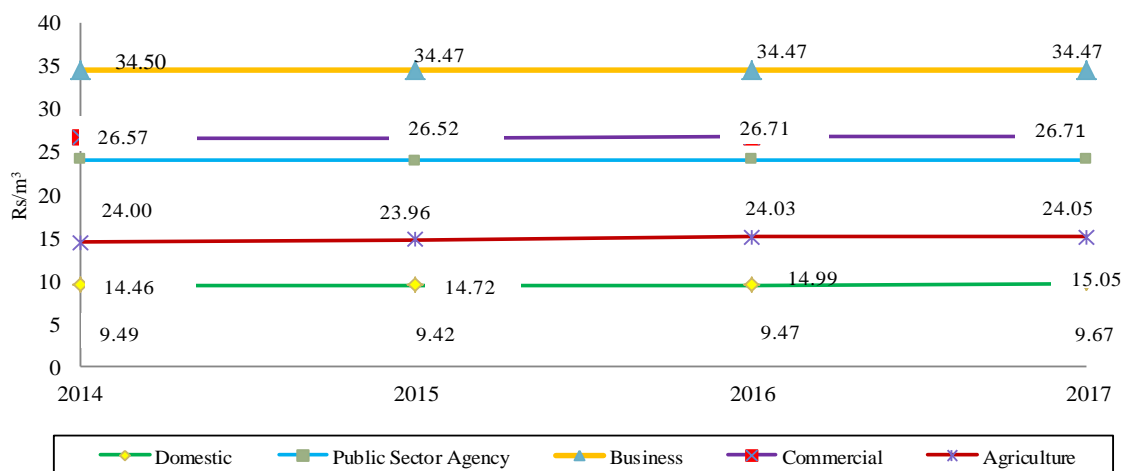


Figure 5.8 - Average sales price of water per m³ by tariff of subscriber, 2014 -2017 Island of Mauritius



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 %

Figure 6.1 - Percentage of households having Residual Current Device (RCD) Housing Census 2011

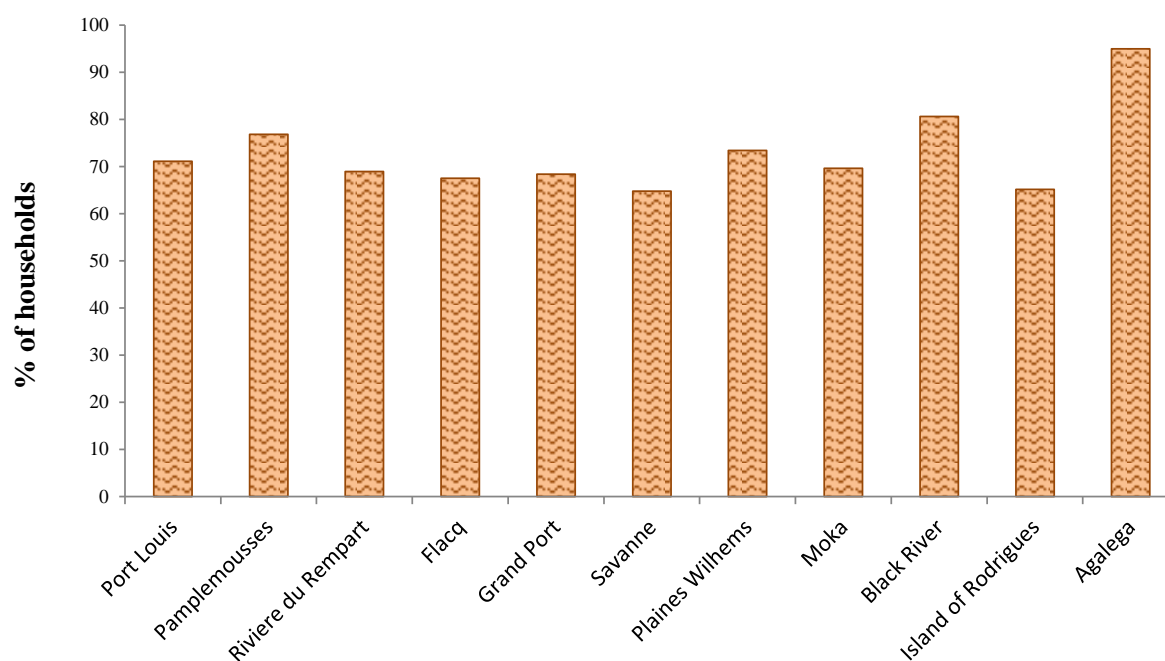


Table 6.2 - Private households by geographical location and principal fuel used for cooking, Housing Censuses 2000 and 2011

Geographical location	Principal fuel used for cooking							Total
	Wood	Charcoal	Kerosene	Electricity	Gas	Other	Not Stated	
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>

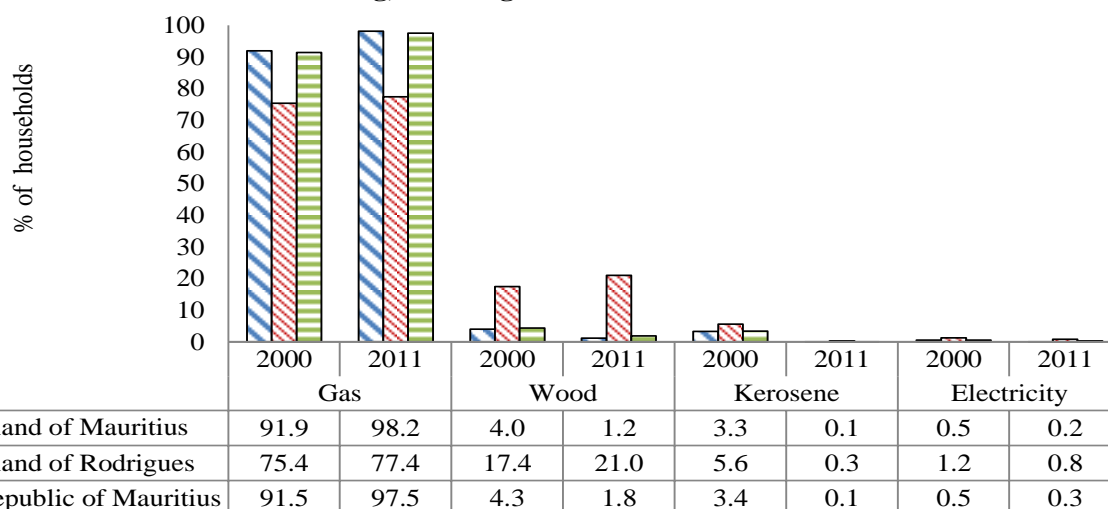
Figure 6.2 - Percentage distribution of households by principal fuel used for cooking, Housing Censuses 2000 and 2011

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

Geographical location	Principal fuel used for heating water for bathing ¹						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
	<i>25.7 %</i>	<i>40.2 %</i>	<i>4.0 %</i>	<i>8.0 %</i>	<i>22.1 %</i>	<i>0.0 %</i>	<i>100.0 %</i>
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
	<i>25.1 %</i>	<i>39.2 %</i>	<i>3.9 %</i>	<i>7.9 %</i>	<i>23.9 %</i>	<i>0.0 %</i>	<i>100.0 %</i>
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
	<i>12.4 %</i>	<i>60.6 %</i>	<i>12.4 %</i>	<i>2.0 %</i>	<i>12.5 %</i>	<i>0.2 %</i>	<i>100.0 %</i>
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
	<i>12.1 %</i>	<i>59.4 %</i>	<i>12.2 %</i>	<i>2.2 %</i>	<i>13.9 %</i>	<i>0.2 %</i>	<i>100.0 %</i>

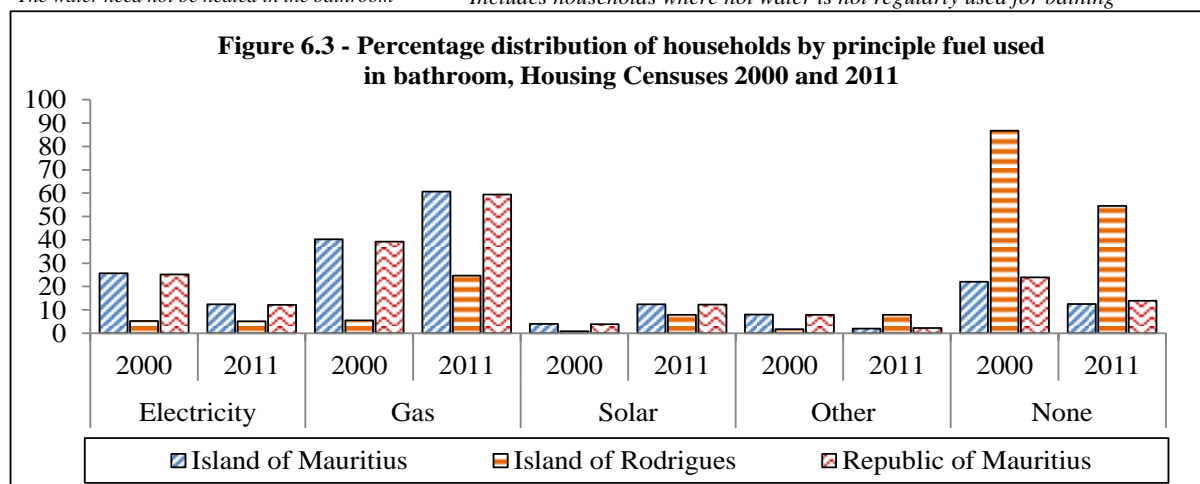
¹The water need not be heated in the bathroom² Includes households where hot water is not regularly used for bathing

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

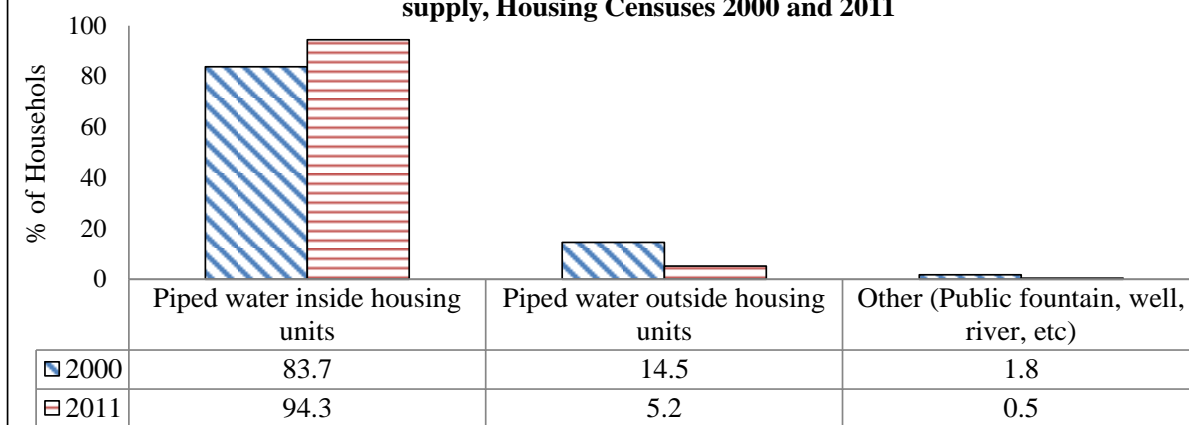
Figure 6.4 - Percentage distribution of private households by type of water supply, Housing Censuses 2000 and 2011

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%	49.5%	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%

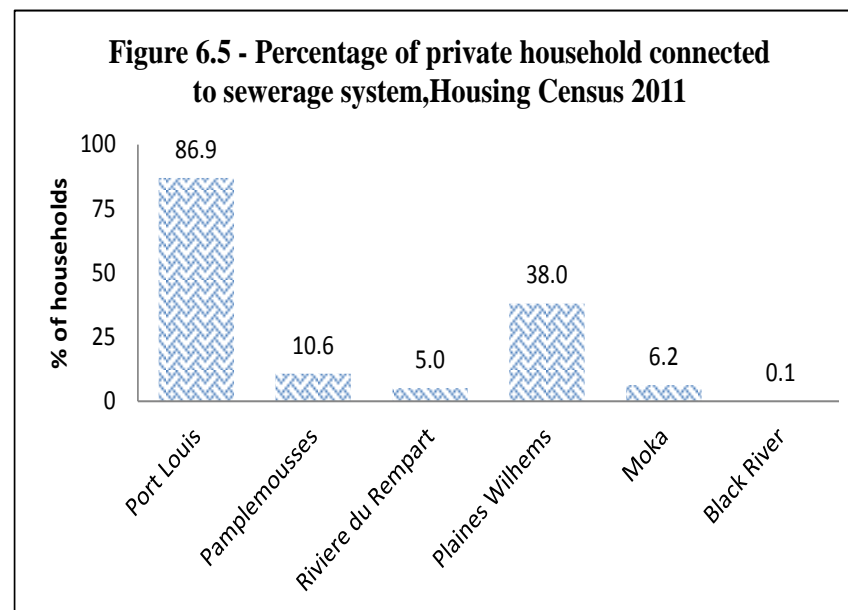


Figure 6.6 - Evolution of average monthly household expenditure on specific commodity, HBS¹ 1961 - 2017

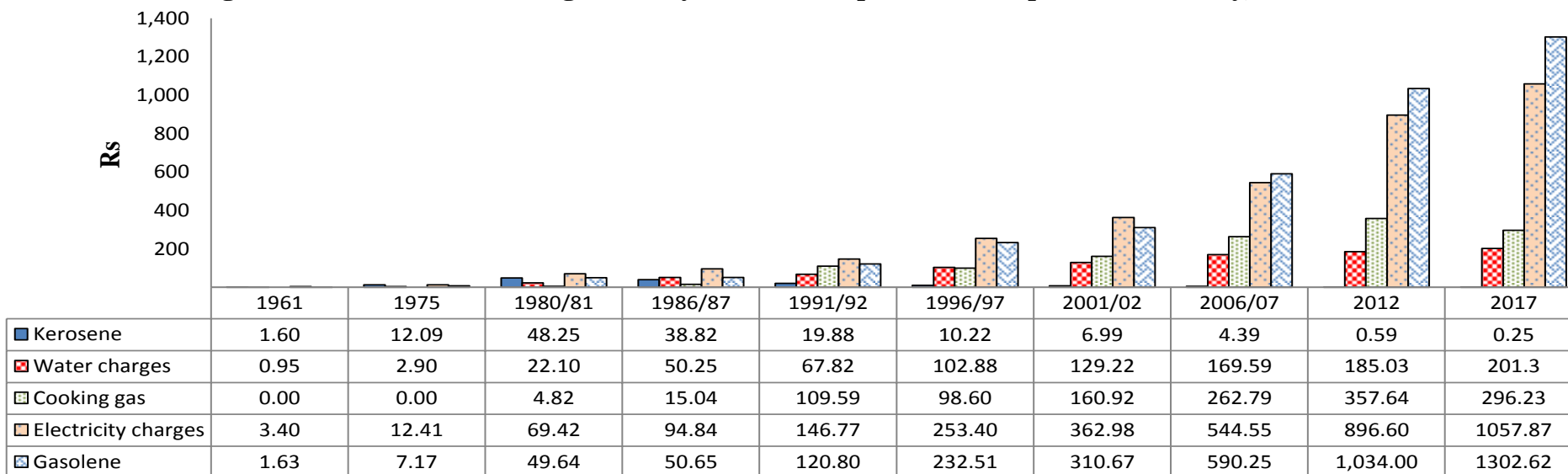
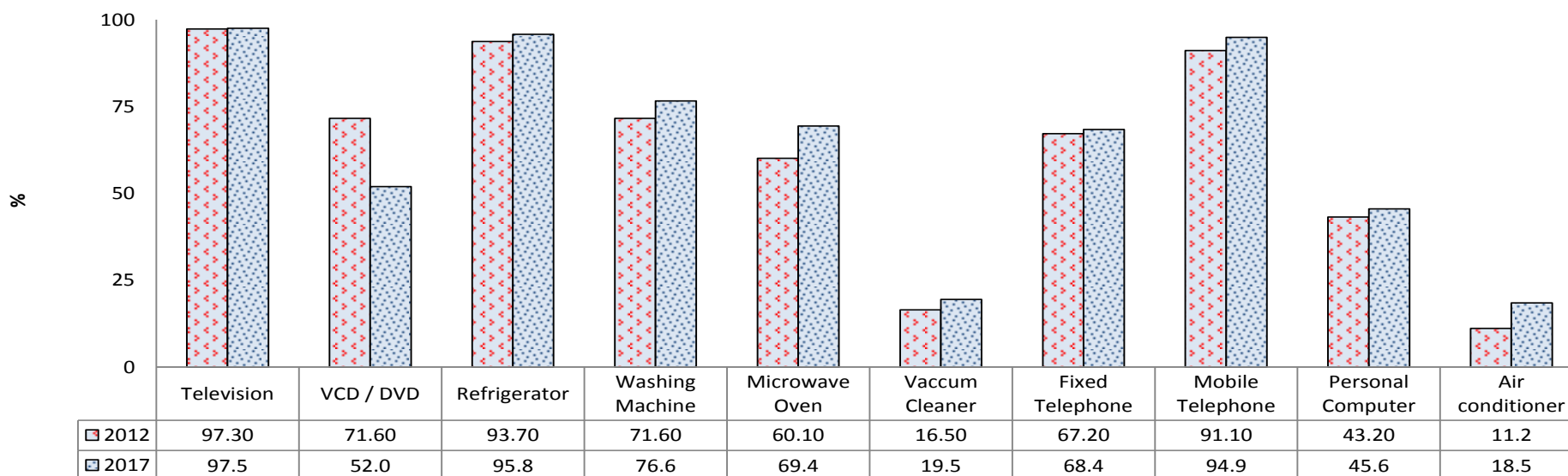


Figure 6.7 - Percentage distribution of households with selected household electrical appliances, HBS¹ - 2012 and 2017



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 2012 and 2017

(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+	
	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017
Water supply	185.03	201.33	65.05	35.52	94.04	91.11	118.64	113.52	132.52	122.42	151.86	161.52	166.30	174.88	199.01	196.85	228.38	235.01
Sewage collection	39.23	52.76	10.41	5.69	18.77	19.76	23.61	33.84	26.22	37.89	35.13	43.16	37.87	48.35	38.96	45.62	48.90	62.76
Electricity	896.61	1,057.87	243.05	568.25	360.07	399.14	422.11	480.23	542.55	608.13	638.01	736.50	769.88	879.12	884.31	947.67	1,275.24	1,325.20
Cooking gas (LPG)	357.64	296.23	201.60	144.44	213.93	188.41	260.73	189.13	276.23	219.90	325.63	252.84	358.51	287.39	378.11	301.57	402.33	323.39
Liquid fuels	0.64	0.29	2.09	0.00	2.29	0.00	0.74	0.00	1.10	0.00	0.22	0.02	1.05	2.05	0.40	0.08	0.54	0.07
Solid fuels	1.39	0.64	0.00	0.00	0.00	0.00	0.20	0.25	0.48	0.00	0.35	0.31	0.15	0.00	3.53	0.38	1.41	1.08
Fuels and lubricants for personal transport equipment	1,218.34	1,422.12	91.62	0.00	27.10	10.58	63.02	44.86	130.23	98.26	257.05	199.70	545.16	417.91	873.60	784.55	2,705.60	2,503.46
All items	21,240.56	25,348.18	4,382.31	6,547.73	5,181.24	5,184.09	7,003.88	7,063.48	8,946.93	8,150.50	11,908.66	11,151.76	14,794.13	14,870.56	18,575.74	19,448.22	36,429.00	37,285.10
Percentage of total household consumption expenditure																		
Water supply	0.87	0.79	1.48	0.54	1.82	1.76	1.69	1.61	1.48	1.50	1.28	1.45	1.12	1.18	1.07	1.01	0.63	0.63
Sewage collection	0.18	0.21	0.24	0.09	0.36	0.38	0.34	0.48	0.29	0.46	0.29	0.39	0.26	0.33	0.21	0.23	0.13	0.17
Electricity	4.22	4.17	5.55	8.68	6.95	7.70	6.03	6.80	6.06	7.46	5.36	6.60	5.20	5.91	4.76	4.87	3.50	3.55
Cooking gas (LPG)	1.68	1.17	4.60	2.21	4.13	3.63	3.72	2.68	3.09	2.70	2.73	2.27	2.42	1.93	2.04	1.55	1.10	0.87
Liquid fuels	0.00	0.00	0.05	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Solid fuels	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Fuels and lubricants for personal transport equipment	5.74	5.61	2.09	0.00	0.52	0.20	0.90	0.64	1.46	1.21	2.16	1.79	3.68	2.81	4.70	4.03	7.43	6.71

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 2012 and 2017

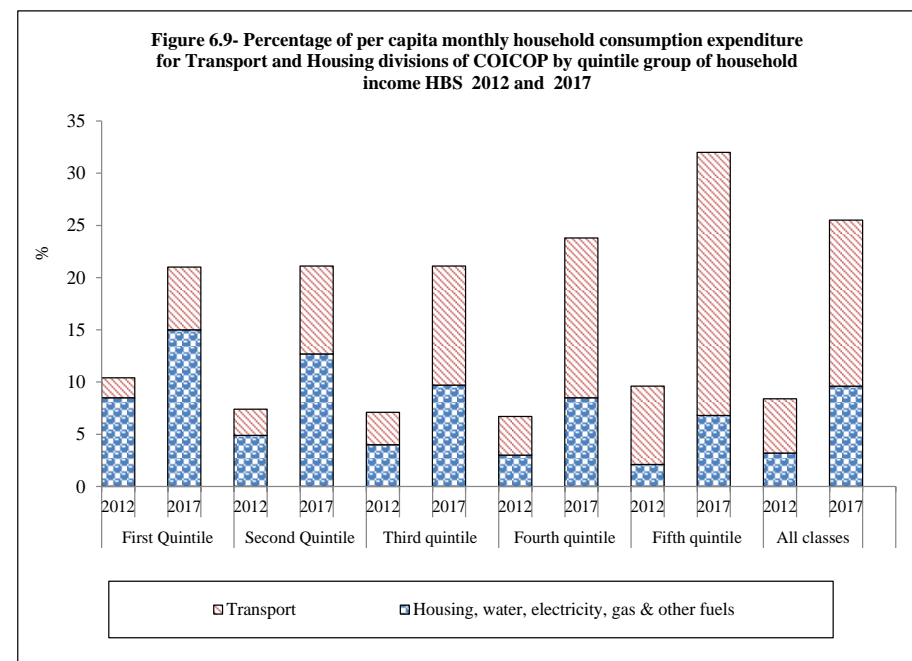
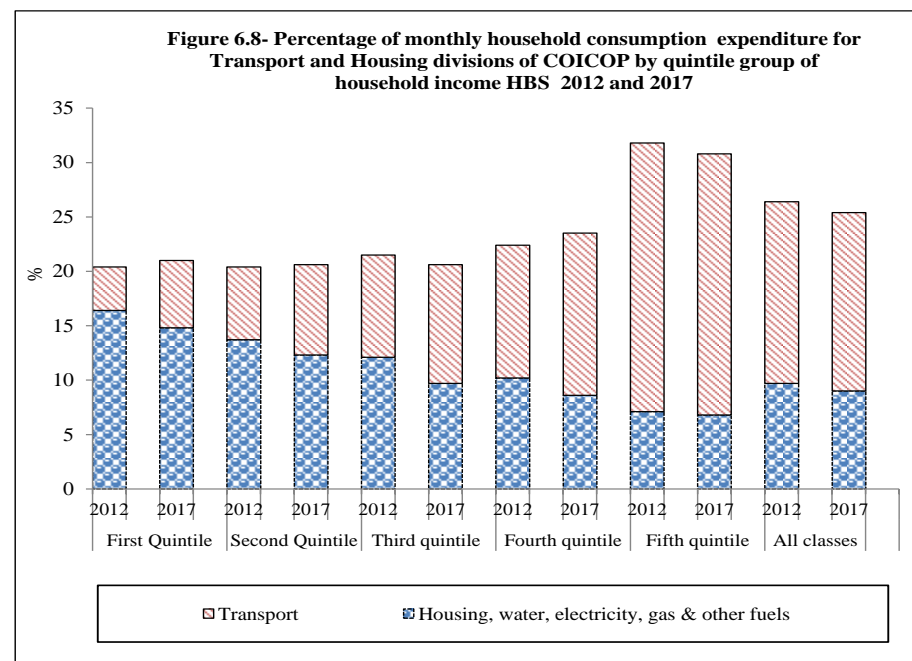
(COICOP) ²	Expenditure Class (Rupees)																	
	All Expenditure Classes		Less than 2,000		2,000 to <5,000		5,000 to <7,500		7,500 to <10,000		10,000 to <15,000		15,000 to <20,000		20,000 to <30,000		30,000+	
	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017	2012	2017
Water supply	185.03	201.33	53.07	83.29	83.93	79.29	116.16	116.15	145.91	155.09	166.73	173.28	200.27	197.39	213.32	221.42	249.26	255.59
Sewage collection	39.23	52.76	7.18	0.00	21.85	15.27	24.30	30.96	28.99	40.50	35.34	46.25	42.17	49.23	47.74	57.36	50.81	69.07
Electricity	896.61	1,057.87	167.49	253.65	313.63	393.28	464.45	559.35	610.23	676.65	727.38	833.98	909.47	985.92	1,062.22	1,144.89	1,486.45	1,518.37
Cooking gas (LPG)	357.64	296.23	164.49	149.45	203.62	178.23	276.76	214.65	307.81	248.50	348.35	283.39	383.42	306.86	404.54	319.42	405.43	324.59
Liquid fuels	0.64	0.29	1.15	0.00	0.76	0.00	0.38	0.03	1.37	0.07	0.30	0.16	0.48	0.02	0.92	1.01	0.54	0.04
Solid fuels	1.39	0.64	0.00	0.00	0.00	0.00	0.14	0.17	0.24	0.00	0.17	0.06	0.86	0.02	4.57	0.46	1.74	2.09
Fuels and lubricants for personal transport equipment	1,218.34	1,422.12	0.00	0.00	10.71	9.13	52.08	25.80	138.55	93.20	41.41	310.75	831.16	744.27	1,637.03	1,513.92	3,863.56	3,611.92
All purposes	21,240.56	25,348.18	1,585.58	1,581.43	3,884.79	3,993.85	6,367.34	6,448.78	8,792.51	8,792.23	12,537.20	12,612.58	17,369.80	17,471.44	24,378.62	24,424.29	53,838.03	54,178.43
Percentage of total household consumption expenditure																		
Water supply	0.87	0.79	3.35	5.27	2.16	1.99	1.82	1.80	1.66	1.76	1.33	1.37	1.15	1.13	0.88	0.91	0.46	0.47
Sewage collection	0.18	0.21	0.45	0.00	0.56	0.38	0.38	0.48	0.33	0.46	0.28	0.37	0.24	0.28	0.20	0.23	0.09	0.13
Electricity	4.22	4.17	10.56	16.04	8.07	9.85	7.29	8.67	6.94	7.70	5.80	6.61	5.24	5.64	4.36	4.69	2.76	2.80
Cooking gas (LPG)	1.68	1.17	10.37	9.45	5.24	4.46	4.35	3.33	3.50	2.83	2.78	2.25	2.21	1.76	1.66	1.31	0.75	0.60
Liquid fuels	0.00	0.00	0.07	0.00	0.02	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solid fuels	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Fuels and lubricants for personal transport equipment	5.74	5.61	0.00	0.00	0.28	0.23	0.82	0.40	1.58	1.06	0.33	2.46	4.79	4.26	6.72	6.20	7.18	6.67

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 2012 and 2017

(COICOP) ¹ Division	First Quintile		Second Quintile		Third quintile		Fourth quintile		Fifth quintile		All classes													
	2012		2017		2012		2017		2012		2017		2012		2017									
	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%	Expend.	%								
Average monthly household consumption expenditure																								
Housing, water, electricity, gas	1,046	16.4	1,448	14.8	1,531	13.7	1,944	12.3	1,895	12.1	2,096	9.7	2,263	10.2	2,471	8.6	3,494	7.1	3,457	6.8	20.7	9.7	2,281	9.0
Transport	255	4.0	608	6.2	473	6.7	1,315	8.3	1,465	9.4	2,345	10.9	2,712	12.2	4,274	14.9	1,258	24.7	12238	24.0	3,549	16.7	4,152	16.4
All items	6,374	100	9,755	100	11,138	100	15,862	100	15,624	100	21,576	100	22,252	100	28,666	100	49,156	100	51,018	100	21,241	100	25,348	100
Per capita monthly household consumption expenditure																								
Housing, water, electricity, gas & other fuels	544	8.5	783	15.0	546	4.9	776	12.7	619	4.0	679	9.7	671	3.0	721	8.5	1,041	2.1	978	6.8	688	3.2	787	9.6
Transport	121	1.9	316	6.0	276	2.5	512	8.4	487	3.1	797	11.4	823	3.7	1,304	15.3	3,690	7.5	3,598	25.2	1,104	5.2	1,304	15.9
All items	3,299	100	5,223	100	4,046	100	6,113	100	5,012	100	7,001	100	6,433	100	8,501	100	14,341	100	14,295	100	6,707	100	8,222	100



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 2008 - 2017

	Rs										
	All districts	Port Louis	Pamplemousses	Riviere du Rempart	Flacq	Grand Port	Savanne	Plaines Wilhems	Moka	Black River	Rodrigues
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
2017											
Average total expenditure	25,326	20,435	26,961	26,503	25,866	22,594	21,316	30,886	26,386	27,058	17,368
Gas	321	285	315	319	330	361	365	314	362	281	269
Water bill & Waste Water bill ²	252	343	224	219	254	228	227	279	245	267	0
Electricity bill	1,106	1,232	1,218	1,185	1,029	958	930	1,133	1,049	1,366	825

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 2008 - 2017

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Gas	345.1	334.9	331.4	341.0	351.0	427.0	393.0	410.0	382.0	321.0
Electricity Bill	712.4	795.5	830.8	939.0	972.0	1129.0	1075.0	1123.0	1111.0	1106.0
Water bill & Waste water bill	188.2	191.0	189.6	199.0	214.0	273.0	247.0	253.0	252.0	252.0
Average price Cooking gas (LPG)	314.60	300.0	300.0	300.0	325.0	330.0	330.0	330.0	305.0	270.00
Average domestic tariff of electricity	4.82	5.07	5.25	5.61	5.71	5.72	5.76	5.77	5.76	5.77
Average domestic tariff* of water	7.06	7.14	7.20	7.07	9.46	9.49	9.49	9.42	9.47	9.67

Figure 6.10 - Percentage household expenditure on gas by district, CMPHS¹ 2013 - 2017

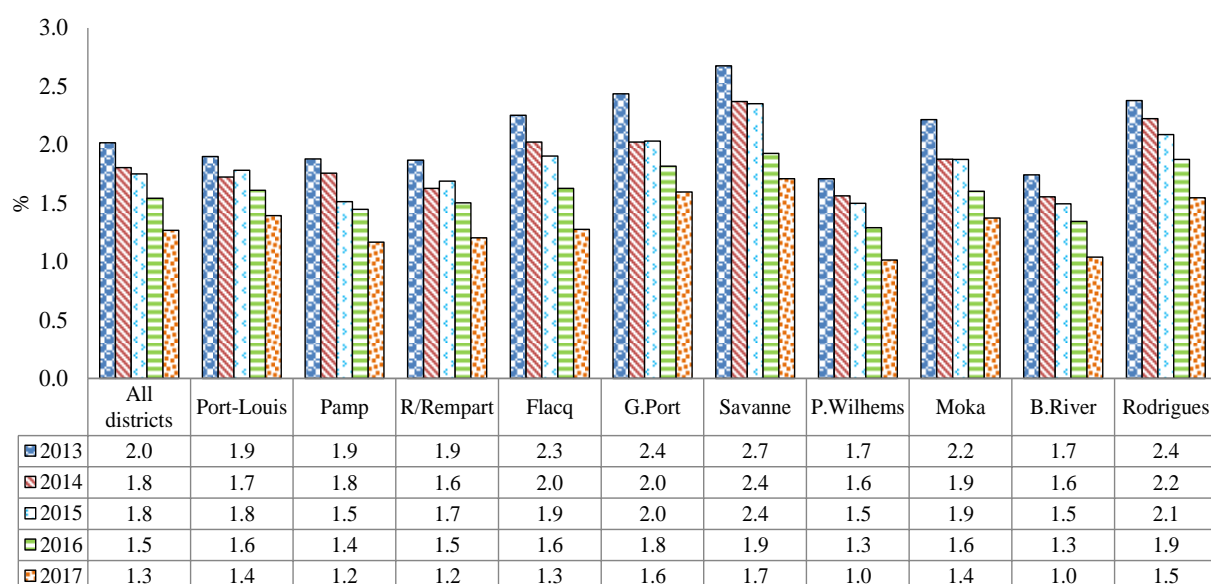
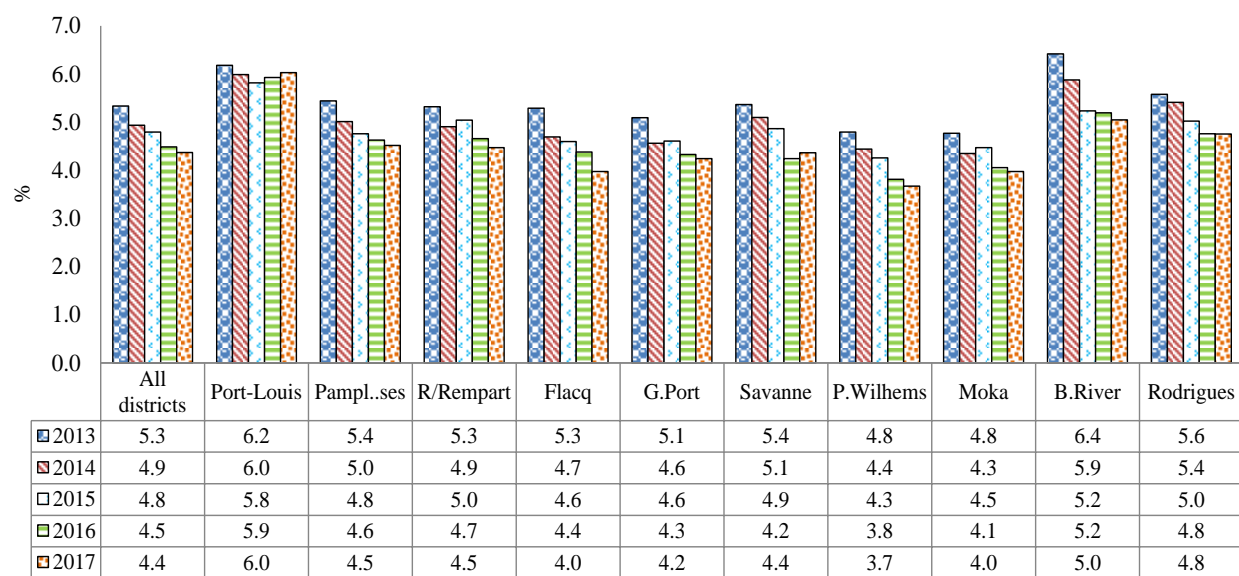


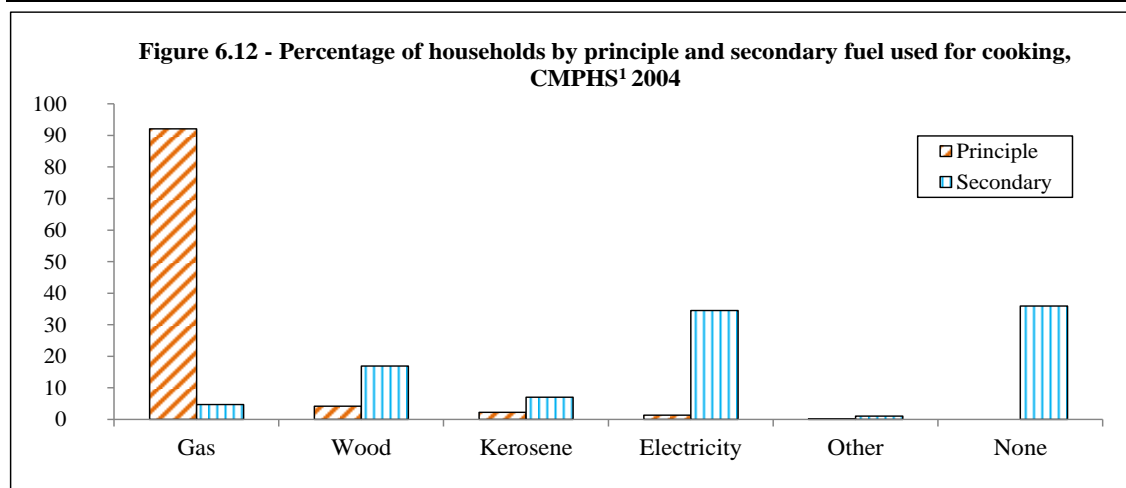
Figure 6.11 - Percentage household expenditure on Electricity by district, CMPHS¹ 2013-2017



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

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 heat	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

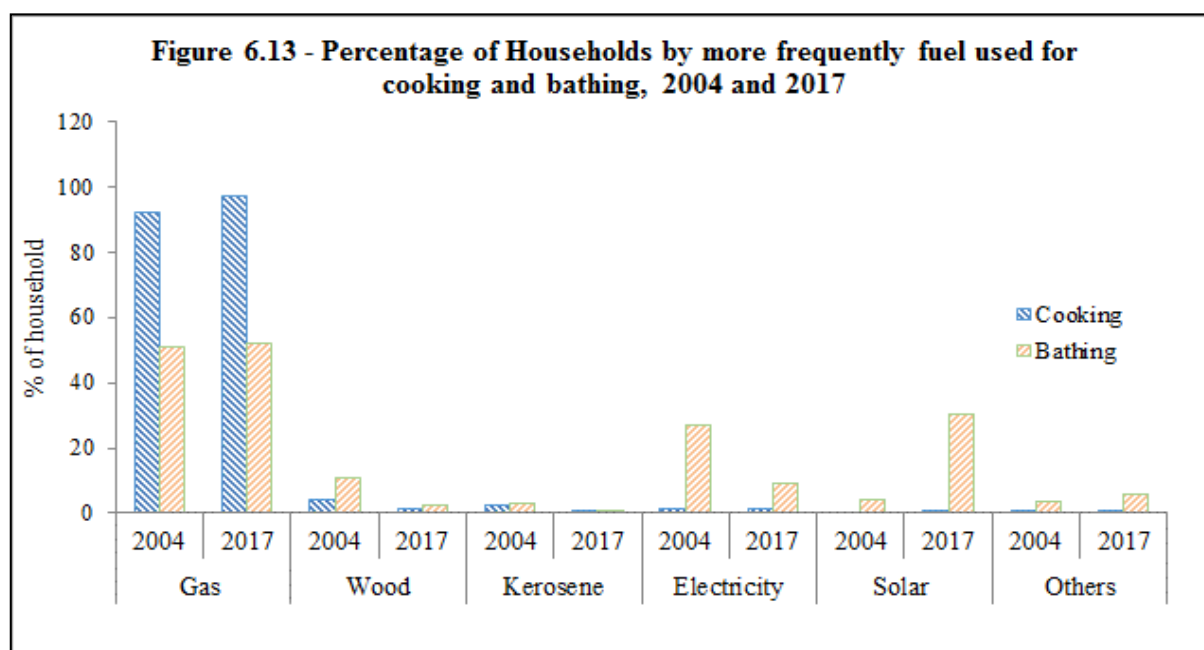
Note: Figures are based on sample results of 5,640 households surveyed

Table 6.23 - Percentage of households by main fuel used for cooking, CMPHS¹ 2004 and 2017

Fuel used	% of households using main fuel for cooking	
	2004	2017
Gas	92.1	97.3
Wood	4.2	1.3
Kerosene	2.2	-
Electricity	1.3	1.2
Other	0.2	0.2
Total	100.0	100.0

Table 6.24 - Percentage of households by main fuel used for bathing, CMPHS¹ 2004 and 2017

Fuel used	% of households using main fuel for bathing	
	2004	2017
Gas	51.2	52.0
Wood	11.0	2.4
Kerosene	3.2	-
Electricity	26.7	9.2
Solar	4.2	30.5
Other	0.3	0.3
None	3.4	5.6
Total	100.0	100.0

¹ Continuous Multipurpose Household Survey

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

Table 6.25 - Percentage of households equipped with Air Conditioner in their home, CMPHS¹ 2017

Air Conditioner	% of households
Equipped	20.5
Measures taken to reduce energy consumption while using air conditioner:	
- Set the temperature between 24 °C and 26 °C	79.9
- Close doors and windows	98.1
- Clean the filter regularly	85.4
- Other measures	7.4
Not equipped	79.5
Total	100.0

Table 6.26 - Percentage of households using alternatives to air conditioning in their home, CMPHS¹ 2017

Air Conditioner	% of households
Alternatives to air conditioner favoured at home:	
- Cross ventilation of rooms	78.4
- Use of electric fans	83.2
- Use of heat reflective paint on the roof to reduce heat gain	4.1
- Plant trees to shade the house from the sun	37.0
- Other measures	0.3

Table 6.27 - Percentage of households' awareness on Energy Efficiency Label, CMPHS¹ 2017

Energy efficiency label	% of households
Aware on Energy Efficiency Label:	48.6
- Seen an energy efficiency label on an appliance in a showroom	47.6
- Interpretation of data and information on label	33.2
- Taken into account information provided on label while purchasing an electrical appliance	30.7
Not Aware	51.4
Total	100.0

Table 6.28 - Percentage of households using LED lamps/tubes at home, CMPHS¹ 2017

LED lamps/tubes	% of households
Using LED lamps/tubes:	39.1
- LED lamps/tubes are too expensive	64.1
- LED lamps/tubes burn out quickly	21.8
Not using LED lamps/tubes	60.9
Total	100.0

¹ Continuous Multipurpose Household Survey

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

Table 6.29 - Percentage of households' awareness of renewable energy, CMPHS¹ 2017

Renewable energy	% of households
Aware of renewable energy:	72.2
- Existing schemes for encouraging the use of renewable energy	67.9
- Grant facility for the purchase of a solar water heater	22.9
- Tax incentives for the installation of a solar photovoltaic system on your rooftop	27.7
Not Aware	27.8
Total	100.0

Table 6.30 - Percentage of households by measures taken to reduce energy consumption, CMPHS¹ 2017

Measures	% of households
Make maximum use of natural light instead of switching on lights	93.3
Use yard lighting that has motion detectors	3.0
Turn off electrical appliances/lights when not needed	97.1
Do not leave refrigerator door open unnecessarily	93.8
Keep the refrigerator shaded from direct sunlight	80.5
Check and clean the door seals of the refrigerator regularly	80.2
Let cooked food items cool down before placing them in the refrigerator	89.9
Favour the use of pressure cooker to reduce cooking time	80.6
Favour the use of microwave oven for heating small amounts of food	60.8
Use pre-heated water, through solar water heater, for boiling	16.4
Use washing machine at full load	71.3
Other measures	3.9

¹ Continuous Multipurpose Household Survey*Note: Figures are based on sample results of 5,640 household surveyed*