



Republic of the Philippines

Philippine Statistics Authority

Philippine Energy Statistics

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Outline

- Background
- Data Sources
- Classification Standards
- Data Compilation and Processing
- Generation of Data
- Data Dissemination

Background

- On September 12, 2013, **Republic Act 10625** or the “***Philippine Statistical Act of 2013***” created the **Philippine Statistics Authority (PSA)** through a merger of the following four major statistical agencies in the government
 - ✓ Bureau of Agricultural Statistics (BAS)
 - ✓ National Statistics Office (NSO)
 - ✓ Bureau of Labor and Employment Statistics (BLES)
 - ✓ National Statistical Coordination Board (NSCB)

Background

➤ Mandate of the PSA:

- ✓ plans, develops, prescribes, disseminates and enforces policies, rules and regulations and coordinates government-wide programs governing the production of official statistics, general-purpose statistics, and civil registration services
- ✓ responsible for all national censuses and surveys, sectoral statistics, consolidation of selected administrative recording systems and compilation of national accounts

Background

- Energy statistics generated by PSA are:
 - ✓ exports and imports data of fossil fuels and other energy products
 - compiled data from copies of export and import documents submitted to the Bureau of Customs (BOC) by exporters and importers or their authorized representatives as required by law

Background

- Prior to RA 10625, energy statistics generated by the NSO were:
 - ✓ household energy consumption
 - Household Energy Consumption Survey (HECS)
 - ✓ energy consumption of establishments
 - Survey of Energy Consumption of Establishments (SECE)
 - ✓ exports and imports of fossil fuels and other energy products
 - compiled data from copies of export and import documents submitted to BOC by exporters and importers or their authorized representatives as required by law

Data Sources

- Household Energy Consumption Survey (HECS)
 - ✓ conducted for the years 1989, 1995, 2004 and 2011 in collaboration with the Department of Energy (DOE)
 - ✓ aims to generate comprehensive and reliable data on household energy consumption, and analyze end-use energy consumption and preferences in the residential sector
 - ✓ utilized one type of questionnaire

Data Sources

➤ HECS (*cont.*)

✓ data collected were:

- household head characteristics
- energy sources used by the household
- consumption and utilization of energy sources by the household
- household's practices to reduce energy consumption by energy sources
- household's awareness on energy issues
- family income
- housing characteristics

Data Sources

- Survey of Energy Consumption of Establishments (SECE)
 - ✓ conducted for the first time in 2010, in consultation with DOE being the major data user of the survey results, for the determination of data items to be collected and indicators to be generated

Data Sources

➤ SECE (*cont.*)

- ✓ provided benchmark information on the country's energy utilization patterns of industries at the sub-class and national levels in order to generate data required to measure the demand of energy

Data Sources

➤ SECE (*cont.*)

- ✓ used 6 types of questionnaires:
 - Form 1 – Agriculture, Forestry and Fishing
 - Form 2 – Mining and Quarrying; Manufacturing
 - Form 3 – Electricity, Gas, Steam and Air Conditioning Supply
 - Form 4 – Water Supply; Sewerage, Waste Management and Remediation Activities

Data Sources

➤ SECE *(cont.)*

- ✓ used 6 types of questionnaires: *(cont.)*
 - Form 5A – Land Transport
 - Form 5B – Water Transport
 - Form 5C – Air Transport
 - Form 5D – Warehousing and Support Activities for Transportation;
Postal and Courier Activities
 - Form 6 – Business, Services and All Other Sectors

Data Sources

➤ SECE (*cont.*)

✓ data collected were:

- general information about the establishment
- production or facility information
- consumption of energy by source
- consumption of fuel by end-use
- consumption of electricity by end-use
- consumption of other energy sources by end-use

Data Sources

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ copies of import and export documents are collected every month by PSA personnel from the Bureau of Customs (BOC) located in 90 ports of entry in the Philippines
 - ✓ data files are also provided to PSA monthly by the BOC from the Automated Export Documentation System (AEDS) and Automated Cargo Operating System (ACOS)

Classification Standards

➤ HECS

- ✓ did not use any classification standards

➤ SECE

- ✓ utilized the 2009 Philippine Standard Industrial Classification, a derivative of the International Standard Industrial Classification Revision 4

Classification Standards

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ uses the 1993 Philippine Standard Commodity Classification Revision 2 (*based on the Standard International Trade Commodity Revision 3*) and with the 2004 Philippine Standard Commodity Classification groupings (*integration of the ASEAN Harmonized Tariff Nomenclature based on the 2002 Harmonized Commodity Description and Coding System issued by the World Customs Organizations*)

Data Compilation and Processing

➤ HECS

- ✓ data collection was done through personal interview by field personnel
- ✓ processing of data was carried out in both Field and Central Offices but the tabulation was the responsibility of the latter
- ✓ in 2011, out of 25,192 sample households, 91.6% responded

Data Compilation and Processing

➤ SECE

- ✓ utilization of self-administered questionnaires
- ✓ distribution, collection and editing of questionnaires were undertaken by the Field Office
- ✓ further processing of data and tabulation were done in the Central Office
- ✓ in 2010, the response rate is 95.2% with a total of 10,382 sample establishments

Data Compilation and Processing

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ data collection is undertaken by the Field Offices while processing and tabulation of data is by the Central Office
 - ✓ documents collected from BOC are encoded to a computer system while data files submitted by BOC are being converted before uploading to the computer system

Data Compilation and Processing

- Exports and Imports Data of Fossil Fuels and Other Energy Products (*cont.*)
 - ✓ documents received after the monthly cut-off dates are included in their respective months at the end of the calendar year
 - ✓ once the monthly tabulations have been completed and finalized, the annual tabulations are then prepared

Generation of Data

➤ HECS

- ✓ generated 7 statistical tables

- 📄 TABLE 1 Percentage of Households by Type of Fuel Used, Philippines 2004 and 2011.pdf
- 📄 TABLE 2A Types of Fuel Used by Households for Lighting, Philippines 2004 and 2011.pdf
- 📄 TABLE 2B Types of Fuel Used by Households for Cooking, Philippines 2004 and 2011.pdf
- 📄 TABLE 2C Types of Fuel Used by Households for Heating Water, Philippines 2004 and 2011.pdf
- 📄 TABLE 2D Types of Fuel Used by Households for their Vehicle, Philippines 2004 and 2011.pdf
- 📄 TABLE 3 Percentage of Households Using Electricity During the 6 Months Prior to Survey, by End-Use & Type of Appliances Used, Phils 2011.pdf
- 📄 TABLE 4 Percentage of Households Using Electricity For Lighting and for Recreation by Average Monthly Income of the Family, Phils 2011.pdf

Generation of Data











➤ SECE

✓ generated 9 statistical tables

- ✓ TABLE 1 Number of Establishments and Quantity of Energy Consumed by Industry Category and Major Sector of Energy
- ✓ TABLE 2 Number of Establishments and Quantity of Energy Purchased by Industry Category and Major Sector of Energy
- ✓ TABLE 3 Number of Establishments, Quantity of Petroleum Products Consumed and Purchased by Industry Category and Energy Use
- ✓ TABLE 4 Number of Establishments, Quantity of Coal Consumed and Purchased by Industry Category and Energy Use
- ✓ TABLE 5 Number of Establishments, Quantity of Natural Gas Consumed and Purchased by Industry Category and Energy Use
- ✓ TABLE 6 Number of Establishments, Quantity of Fuelwood Consumed and Purchased by Industry Category and Energy Use
- ✓ TABLE 7 Number of Establishments, Quantity of Charcoal Consumed and Purchased by Industry Category and Energy Use
- ✓ TABLE 8 Number of Establishments, Quantity of Other Biomass Consumed and Purchased by Industry Category and Energy Use
- ✓ TABLE 9 Number of Establishments and Quantity of Electricity Purchased by Industry Category and Source, Philippines: 2010

Generation of Data

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ monthly exports data, available every 40th day after the reference month
 - generates 4 statistical tables for January
 - generates 6 statistical tables for February to December

 TABLE 1 Philippine Exports to all Countries	 TABLE 1 Philippine Exports to all Countries Feb 2016 and 2015
 TABLE 2 Philippine Exports by Commodity	 TABLE 1a Philippine Exports to all Countries Jan to Feb 2016 and 2015
 TABLE 3 Philippine Exports Performance by Country	 TABLE 2 Philippine Exports by Commodity Group Feb 2016 and 2015
 TABLE 3a Philippine Exports Performance by Selected Economic Bloc	 TABLE 2a Philippine Exports by Commodity Group Jan to Feb 2016 and 2015
	 TABLE 3 Philippine Exports Performance by Country Feb 2016 and 2015
	 TABLE 3a Philippine Exports Performance by Selected Economic Bloc Feb 2016 and 2015

Generation of Data

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ monthly imports data, available every 55th day after the reference month
 - generates 8 statistical tables for January
 - generates 10 statistical tables for February to December

 TABLE 1 Total Trade by Month and Year	 TABLE 1 Total Trade by Month and Year: 2014 - 2016
 TABLE 1a Total Growth Rate by Month and Year	 TABLE 1a Total Growth Rate by Month and Year : 2014 - 2016
 TABLE 2 Philippine Imports from all Countries	 TABLE 2 Philippine Imports from all Countries : February 2016 and 2015
 TABLE 3 Philippine Imports by Major Type of Goods	 TABLE 2a Philippine Imports from all Countries : January to February 2016 and 2015
 TABLE 4 Philippine Imports Performance by Country	 TABLE 3 Philippine Imports by Major Type of Goods: February 2016 and 2015
 TABLE 4A Philippine Imports Performance by Selected Economic Bloc	 TABLE 3a Philippine Imports by Major Type of Goods : January to February 2016 and 2015
 TABLE 5 Balance of Trade by Major Trading Partners	 TABLE 4 Philippine Imports Performance by Country: February 2016 and 2015
 TABLE 5A Balance of Trade by Selected Economic Bloc	 TABLE 4a Philippine Imports Performance by Selected Economic Bloc: February 2016 and 2015
	 TABLE 5 Balance of Trade by Major Trading Partners: February 2016
	 TABLE 5a Balance of Trade by Selected Economic Bloc: February 2016

Generation of Data

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ annual foreign trade data, available every 6th month after the reference year
 - generates 12 statistical tables

 TABLE 1 Total Trade by Month and Year: 2012-2014
 TABLE 2 Value of Top 10 Principal Exports to All Countries: 2013 and 2014
 TABLE 3 Value of Top 10 Philippine Imports from All Countries: 2013 and 2014
 TABLE 4 Philippine Major Trading Partners: 2014
 TABLE 5 Philippine Exports to Major Trading Partners: 2014
 TABLE 6 Philippine Imports from Major Trading Partners: 2014
 TABLE 7 Philippine Trade with EU and ASEAN: 2014
 TABLE 8 Major Philippine Exports to EU and ASEAN: 2014
 TABLE 9 Major Philippine Imports from EU and ASEAN: 2014
 TABLE 10 Philippine Trade with APEC: 2014
 TABLE 11 Major Philippine Exports to APEC: 2014
 TABLE 12 Major Philippine Imports from APEC: 2014

Generation of Data

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ printed publication of annual foreign trade data, available every 10th month after the reference year
 - generates 16 statistical tables (2 volumes)

Table 1	Foreign trade: 1890 to 2014	Table 1	Foreign trade: 1890 to 2014
Table 2	Foreign trade by month: 2010 to 2014	Table 2	Foreign trade by month: 2010 to 2014
Table 3	Foreign trade by country: 2010 to 2014	Table 3	Foreign trade by country: 2010 to 2014
Table 4	Foreign trade by economic bloc: 2010 to 2014	Table 4	Foreign trade by economic bloc: 2010 to 2014
Table 5	Foreign trade by local port: 2014	Table 5	Foreign trade by local port: 2014
Table 6	Philippine imports by major commodity group: 2014 and 2014	Table 6	Philippine exports by major commodity group: 2014 and 2014
Table 7	Philippine imports from major countries and groups of countries by chapter: 2014	Table 7	Philippine exports from major countries and groups of countries by chapter: 2014
Table 8	Quantity and value of Philippine imports classified by commodity and country of origin: 2014	Table 8	Quantity and value of Philippine exports classified by commodity and country of origin: 2014

Data Dissemination

➤ HECS

- ✓ 2011 HECS final results
 - disseminated thru a Special Release posted in the PSA (psa.gov.ph) and DOE (www.doe.gov.ph) websites in December 2013

➤ SECE

- ✓ Special Release on the final results was posted in the PSA (psa.gov.ph) website in March 2014

Data Dissemination

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ Press Releases posted in the PSA (psa.gov.ph) website
 - Merchandise Export Performance, available every 40th day after the reference month
 - External Trade Performance (Import), available every 55th day after the reference month

Data Dissemination

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ Special Release posted in the PSA (psa.gov.ph) website
 - Annual Foreign Trade Statistics, available every 6th month after the reference year

Data Dissemination

- Exports and Imports Data of Fossil Fuels and Other Energy Products
 - ✓ Printed publication of 2 volumes
 - Annual Foreign Trade Statistics, available every 10th month after the reference year
 - ❖ Volume 1 – Imports
 - ❖ Volume 2 – Exports



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Thank you.

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