

MALAYSIA ENERGY INFORMATION HUB (MEIH)

9th OSLO GROUP MEETING
ABU DHABI, UAE
5 – 8 May 2014



MEIH BACKGROUND



INTRODUCTION

The Malaysia Energy Information Hub (MEIH) serves to establish a comprehensive national energy database to support the dissemination and distribution of energy statistics in Malaysia to local and international stakeholders and the public. MEIH is a portal undertaken and managed by the Energy Commission (EC) of Malaysia.



INTRODUCTION



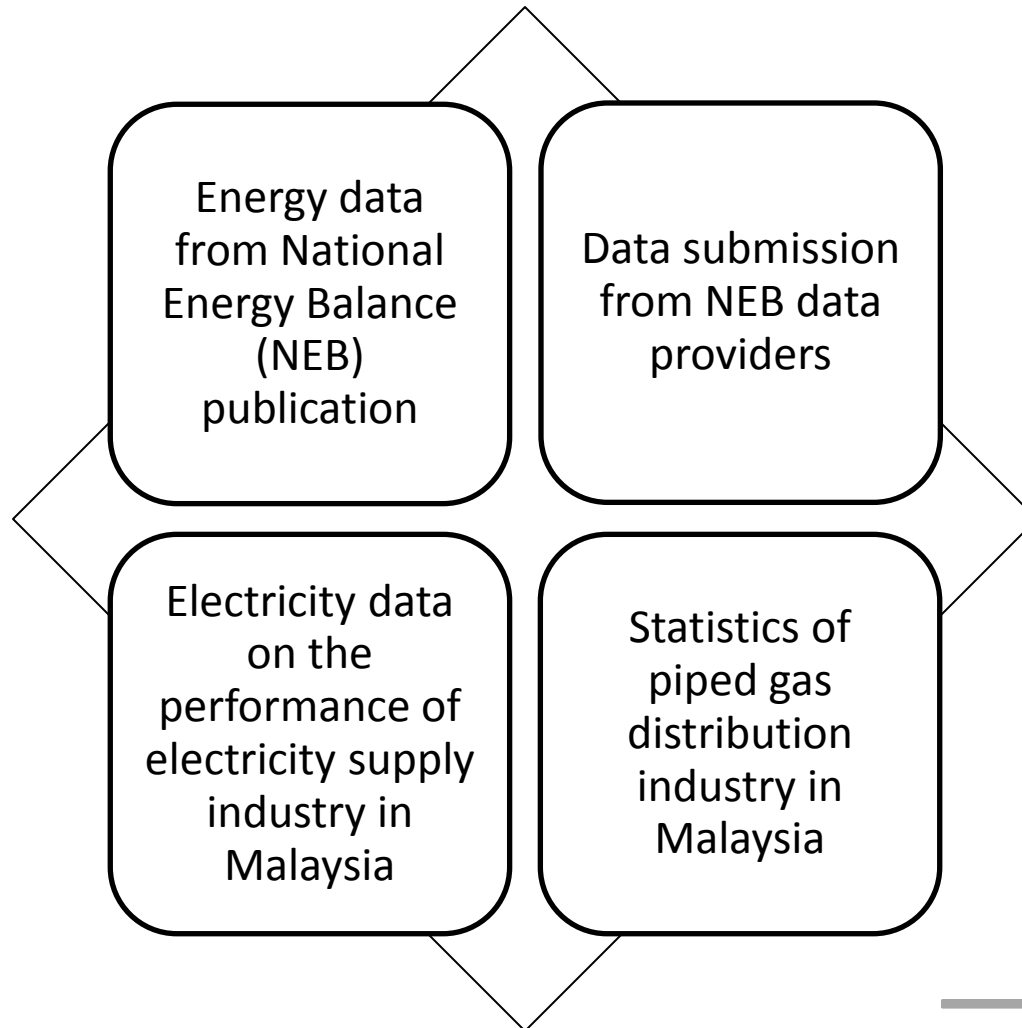
It was officially launched by Y.B Dato' Sri Peter Chin Fah Kui, Minister of Energy, Green Technology and Water on 28 February 2012 at Sime Darby Convention Centre, Kuala Lumpur, Malaysia

OBJECTIVES

- To establish a comprehensive national energy database to provide timely energy statistics and support for National Energy Planning
- To help EC achieve its organisational objectives and to assist EC in building the necessary capabilities as to become a "one-stop energy statistics center" responding to enquiries and requests from the public and private sectors regarding the country's energy data
- To develop, maintain and update a computerised information system including an energy databank
- To establish a mechanism which ensures all data and information relevant to energy planning and energy indicators are deposited in the energy database system
- To co-ordinate, compile and assist in the publication of energy statistics and to undertake appropriate studies on its own or in collaboration with other energy centers
- To develop in-house capabilities/expertise in energy forecast and modeling system for the short and long-term energy outlook
- To undertake energy end-use forecasting, energy demand/supply planning and development and feasibility studies to assist both public and private sector organisations in formulating effective energy strategies and project implementation.





TOPICS IN MEIH

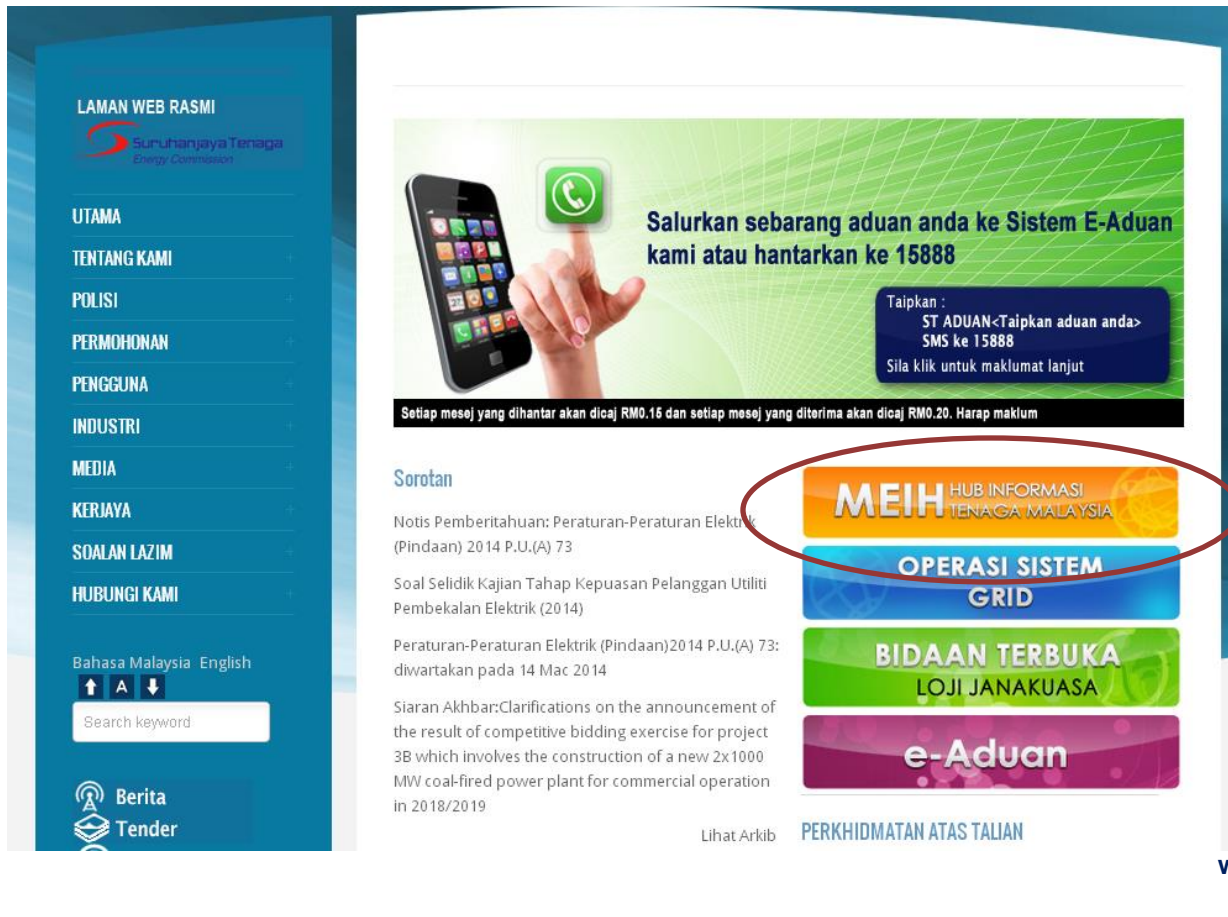




HOW TO ACCESS MEIH



-  Type in the URL for MEIH Portal in the address bar of the internet Browser (Internet Explorer / Mozilla Firefox / Chrome), www.meih.st.gov.my
-  Another option is to go to the official website of Suruhanjaya Tenaga, www.st.gov.my. Click on the MEIH icon located in the main page.



The screenshot shows the official website of the Suruhanjaya Tenaga (Energy Commission) of Malaysia. The page features a blue sidebar with navigation links and a main content area with a green header banner. The banner promotes the E-Aduan system, showing a hand pointing at a smartphone with a WhatsApp icon. Below the banner, there is a 'Sorotan' (Spotlight) section with news items and a vertical menu of services. The 'e-Aduan' service is highlighted with a red oval.

LAMAN WEB RASMI
Suruhanjaya Tenaga
Energy Commission

UTAMA
TENTANG KAMI
POLISI
PERMOHONAN
PENGGUNA
INDUSTRI
MEDIA
KERJAYA
SOALAN LAZIM
HUBUNGI KAMI

Bahasa Malaysia English
↑ A ↓
Search keyword

Berita
Tender

Salurkan sebarang aduan anda ke Sistem E-Aduan kami atau hantarkan ke 15888

Taipkan :
ST ADUAN <Taipkan aduan anda>
SMS ke 15888
Sila klik untuk maklumat lanjut

Setiap mesej yang dihantar akan dical RM0.16 dan setiap mesej yang diterima akan dical RM0.20. Harap maklum

Sorotan

Notis Pemberitahuan: Peraturan-Peraturan Elektrik (Pindaan) 2014 P.U.(A) 73

Soal Selidik Kajian Tahap Kepuasan Pelanggan Utiliti Pembekalan Elektrik (2014)

Peraturan-Peraturan Elektrik (Pindaan) 2014 P.U.(A) 73: diwartakan pada 14 Mac 2014

Siaran Akhbar: Clarifications on the announcement of the result of competitive bidding exercise for project 3B which involves the construction of a new 2x1000 MW coal-fired power plant for commercial operation in 2018/2019

Lihat Arkib

MEIH HUB INFORMASI TENAGA MALAYSIA

OPERASI SISTEM GRID

BIDAAN TERBUKA LOJI JANAKUASA

e-Aduan

PERKHIDMATAN ATAS TALIAN

www.st.gov.my



Electricity Production

Is the flow of electrical power or charge and one of our most widely used forms of energy. Electricity is a secondary energy source, also referred to as an energy carrier. Electricity is produced from the conversion of other sources of energy such as coal, gas or solar energy.



Survey on Customer Satisfaction to Assess the Service Level Provided by Electric Utility Company (2014)

Click here to participate in the survey

Access to MEIH Statistics NOW!

Login

Email Address

Password

Sign In



[Create Account](#)



[Forgot Password](#)

Polls - Alternative Energy

Would you prefer the government to increase, decrease, or not change the financial support and incentives it gives for producing energy from alternative sources such as wind and solar?

- a. Increase
- b. Not Change
- c. Decrease





DATA OUTPUT





Summary

- Primary Energy Supply
- Transformation Process
- Final Energy Demand

Crude Oil & Petroleum Products

- Reserves
- Production
- Import & Export
- Final Consumption

Natural Gas

- Reserves
- Production
- Import & Export
- Final Consumption

Coal & Coke

- Reserves
- Production
- Import & Export
- Final Consumption

Electricity

- Installed Capacity
- Electricity Generation
- Final Electricity Consumption



Economic Indicator

- GDP
- Population
- GDP per Capita

Energy Indicator

- Energy Intensity per Capita
- Energy Intensity per unit GDP



- Performance of Electricity Supply Industry
- Information on Electricity Supply Industry
- Independent Power Producers (IPPs)
- Electricity Distributors
- Co-Generators
- Renewable Energy Projects
- Electrical Competency Certificates Issued



Energy Prices

- Petroleum Products
- LPG
- Natural Gas
- Retail Petroleum
- Tariff



Gas Distribution Statistics

- Performance of Gas Distribution System
- Natural Gas Consumption
- Natural Gas Consumers
- Length of Natural Gas Distribution Pipeline
- Gas Competency Certificates Issued



 **Energy Balance**

Summary - Primary Energy Supply

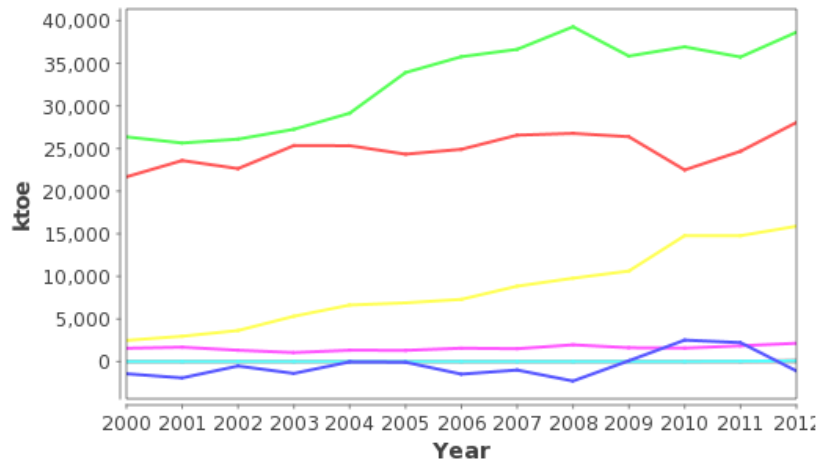
 **Search parameters**

Year From Year To

- Fuel Types
- Crude Oil
 - Petroleum Products
 - Natural Gas
 - Coal and Coke
 - Hydropower
 - Biodiesel
 - Biomass
 - Biogas
- (Un)select All



Year	Primary Energy Supply (ktoe)							
	Crude Oil	Petroleum Products	Natural Gas	Coal and Coke	Hydropower	Biodiesel	Biomass	Biogas
2000	21,673	-1,431	26,370	2,486	1,560	-	-	-
2001	23,590	-1,917	25,649	2,970	1,687	-	-	-
2002	22,647	-521	26,101	3,642	1,329	-	-	-
2003	25,344	-1,391	27,257	5,316	1,056	-	-	-
2004	25,335	-37	29,145	6,631	1,329	-	-	-
2005	24,339	-75	33,913	6,889	1,313	-	-	-
2006	24,909	-1,474	35,776	7,299	1,568	-	-	-
2007	26,571	-995	36,639	8,848	1,510	-	-	-
2008	26,776	-2,282	39,289	9,782	1,964	-	-	-
2009	26,386	96	35,851	10,623	1,627	-	-	-
2010	22,487	2,521	36,936	14,777	1,577	-	-	-
2011	24,679	2,224	35,740	14,772	1,850	24	-	-
2012	28,054	-1,098	38,648	15,882	2,149	115	183	4



— Crude Oil — Petroleum Products — Natural Gas — Coal and Coke
— Hydropower — Biodiesel — Biomass — Biogas

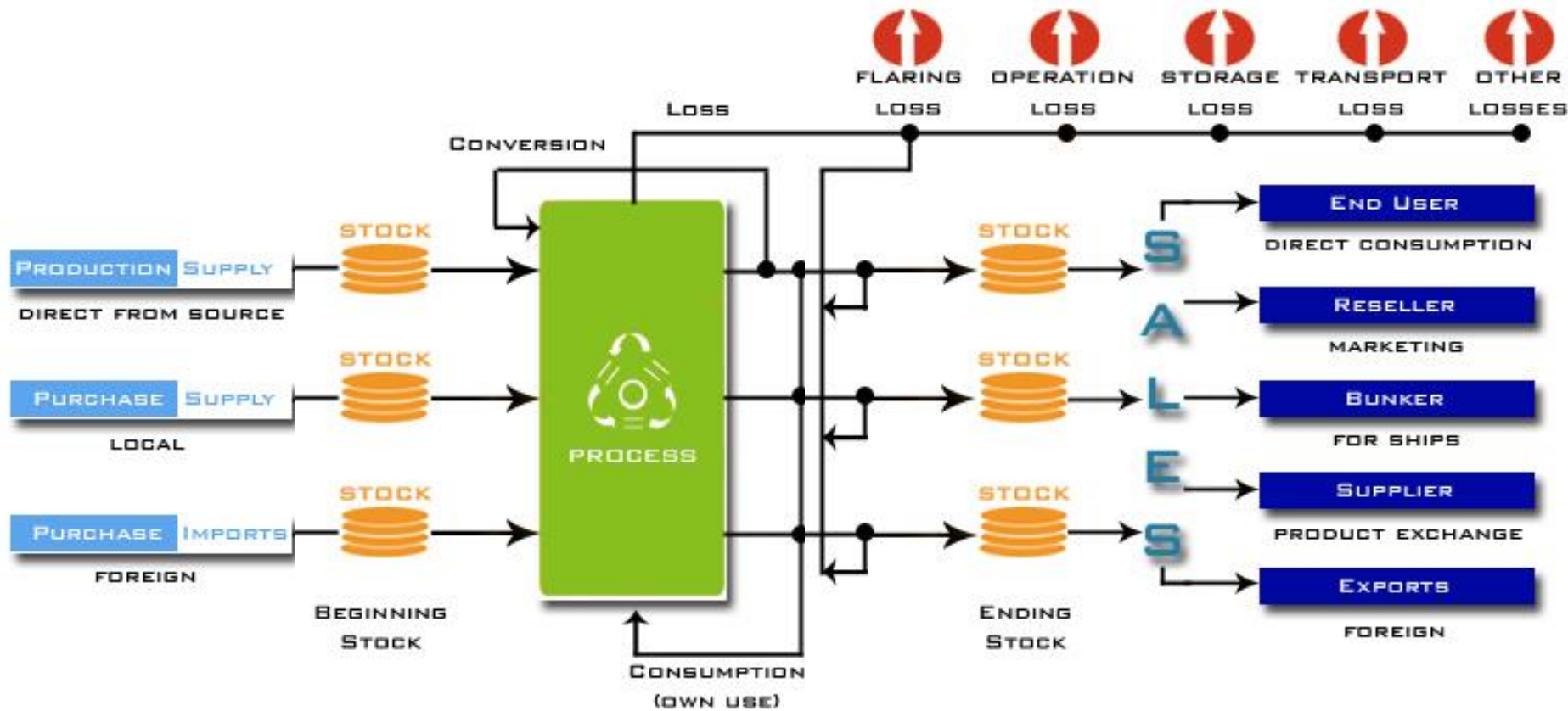




DATA SUBMISSION



ENERGY BALANCE MODEL



QUESTIONNAIRE

Forms	Form Description	Parameters/Fields
F1	Stock of Energy Products	• Open Stock
		• Closing Stock
F2	Energy Intake into Plant/Process/Operation	• Local Purchase
		• Production Supply/Electricity Generation
		• Foreign Imports
F3	Energy Own Consumption and Conversion/Operations	• Own Use/Electricity Own Use
		• Conversion Process
F4	Sales of Energy Products by Distribution Channels	• Sales End User
		• Sales Reseller
		• Sales Bunker
		• Sales Intercompany
		• Sales Exports
F5	Losses of Energy Products	• Loss Flaring
		• Loss Storage
		• Loss Operations
		• Loss Others
		• Loss Transportation



QUESTIONNAIRE

1. Residential/Domestic

Retail - Residential
Public Lighting

2. Commerical

Retail - Commercial
Wholesale & Retail (Hotel /
Complexes)
Real Estate & Services
Government & Military

3. Agriculture

Agriculture & Livestock

4. Non Engery

Non Energy Use

5. Industrial

Retail - Industry
Forestry & Logging
Fishing
Mining & Quarry
Construction
Refining
Ceramic
Food, Beverage & Tobacco
Glass & Glass Products
Rubber, Plastic & Non Metalic
Wood & Furniture
Textile Apparel & Leather
Power Generation
Brick
Cement
Iron, Steel & Metal
Pulp, Paper Products & Printing
Chemical & Petrochemical
Other Oil Companies
General Manufacturing (Others)

6. Transportation

Retail - Transportation
Road
Rail
Air
Inland Water

7. Utility

Utility Generation - TNB
Utility Generation - SESCO
Utility Generation - SEB
Utility Generation - Others

8. Bunker

International Shipping



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 [User Manual - National Energy Balance Data Submission Module](#)



Data Submission » **F1 : Stock of Energy Products (Opening Stock & Closing Stock)**

Term of submission : **Quarter 1, 2014**

Region : **Peninsular Malaysia**

	Product	Opening Stock Quantity	Closing Stock Quantity
1.	Aviation Turbine Fuel (ATF)	<input type="text"/> MT ▼	<input type="text"/> MT ▼
2.	Liquefied Petroleum Gas (LPG)	<input type="text"/> MT ▼	<input type="text"/> MT ▼
3.	Local Crude Oil	<input type="text"/> MT ▼	<input type="text"/> MT ▼
4.	Natural Gas	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼
5.	Petrol (RON 97)	<input type="text"/> MT ▼	<input type="text"/> MT ▼

Save

Balancing Grid

Balancing Grid (KTOE)



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[Data Submission](#) » **F2 : Energy Intake Into Plant / Process / Operation**

Term of submission : **Quarter 1, 2014**

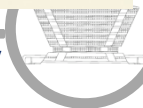
Region : **Peninsular Malaysia**

	Product	Local Purchases Quantity	Production Supply/ Elect Gen Quantity	Foreign Imports Quantity
1.	Aviation Turbine Fuel (ATF)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
2.	Liquefied Petroleum Gas (LPG)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
3.	Local Crude Oil	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
4.	Natural Gas	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼
5.	Petrol (RON 97)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼

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Data Submission » **F3 : Energy Own Consumption & Conversions / Operation**

Term of submission : **Quarter 1, 2014**

Region : **Peninsular Malaysia**

	Product	Own Consumption Quantity		Conversion Process Quantity	
1.	Aviation Turbine Fuel (ATF)	<input type="text"/>	MT ▼	<input type="text"/>	MT ▼
2.	Liquefied Petroleum Gas (LPG)	<input type="text"/>	MT ▼	<input type="text"/>	MT ▼
3.	Local Crude Oil	<input type="text"/>	MT ▼	<input type="text"/>	MT ▼
4.	Natural Gas	<input type="text"/>	mmbtu ▼	<input type="text"/>	mmbtu ▼
5.	Petrol (RON 97)	<input type="text"/>	MT ▼	<input type="text"/>	MT ▼

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[Data Submission](#) » **F4 : Sales of Energy Products by Distribution Channels**

Term of submission : **Quarter 1, 2014**

Region : **Peninsular Malaysia**

	Product	Sales - End User Quantity	Sales - Resellers Quantity	Sales - Bunker Fuel Quantity	Sales - Intercompany Quantity	Sales - Exports Quantity
1.	Aviation Turbine Fuel (ATF)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
2.	Liquefied Petroleum Gas (LPG)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
3.	Local Crude Oil	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
4.	Natural Gas	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼
5.	Petrol (RON 97)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼

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Balancing Grid

Balancing Grid (KTOE)



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[Data Submission](#) » **F5 : Losses of Energy Products**

Term of submission : **Quarter 1, 2014**

Region : **Peninsular Malaysia**

	Product	Loss - Flaring Quantity	Loss - Storage Quantity	Loss - Operation Quantity	Loss - Transportation Quantity	Loss - Others Quantity
1.	Aviation Turbine Fuel (ATF)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
2.	Liquefied Petroleum Gas (LPG)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
3.	Local Crude Oil	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼
4.	Natural Gas	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼
5.	Petrol (RON 97)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼

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Data Submission » **C1 : Final Energy Consumption Sectors**

Term of submission : **Quarter 1, 2014**

Region : **Peninsular Malaysia**

	Product	Cement	Chemical and Petrochemical	Food, Beverage and Tobacco	Non Energy Use	Reta
1.	Aviation Turbine Fuel (ATF)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/>
2.	Liquefied Petroleum Gas (LPG)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/>
3.	Local Crude Oil	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/>
4.	Natural Gas	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/> mmbtu ▼	<input type="text"/>
5.	Petrol (RON 97)	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/> MT ▼	<input type="text"/>

Save

Balancing Grid

Balancing Grid (KTOE)





BENEFITS



USERS AND USES OF MEIH

Users of MEIH	Uses of MEIH
Regulators	Energy policy development
Energy Professionals	Energy industry planning and development
Planners	Energy security risk management
Investor Analyst	Energy standards development
Industry Players	Environmental policy development
NGOs	Energy industry performance monitoring
General Public	Energy investment analysis
Researchers	General knowledge on energy sector
Energy Data Centre	Energy efficiency and conservation



INNOVATION OF MEIH

ITEM	BEFORE	AFTER
1. Data collection	Through manual (email, fax and letters)	Through online
2. Data Quality	Manual checking	Automatic checking
3. Dissemination of Data	Publication	Online and interactive
4. Data Download	Need to be copy	Can be downloaded by excel and pdf
5. Report Preparation	Taking longer time	Saving time



ANALYSIS FROM MEIH

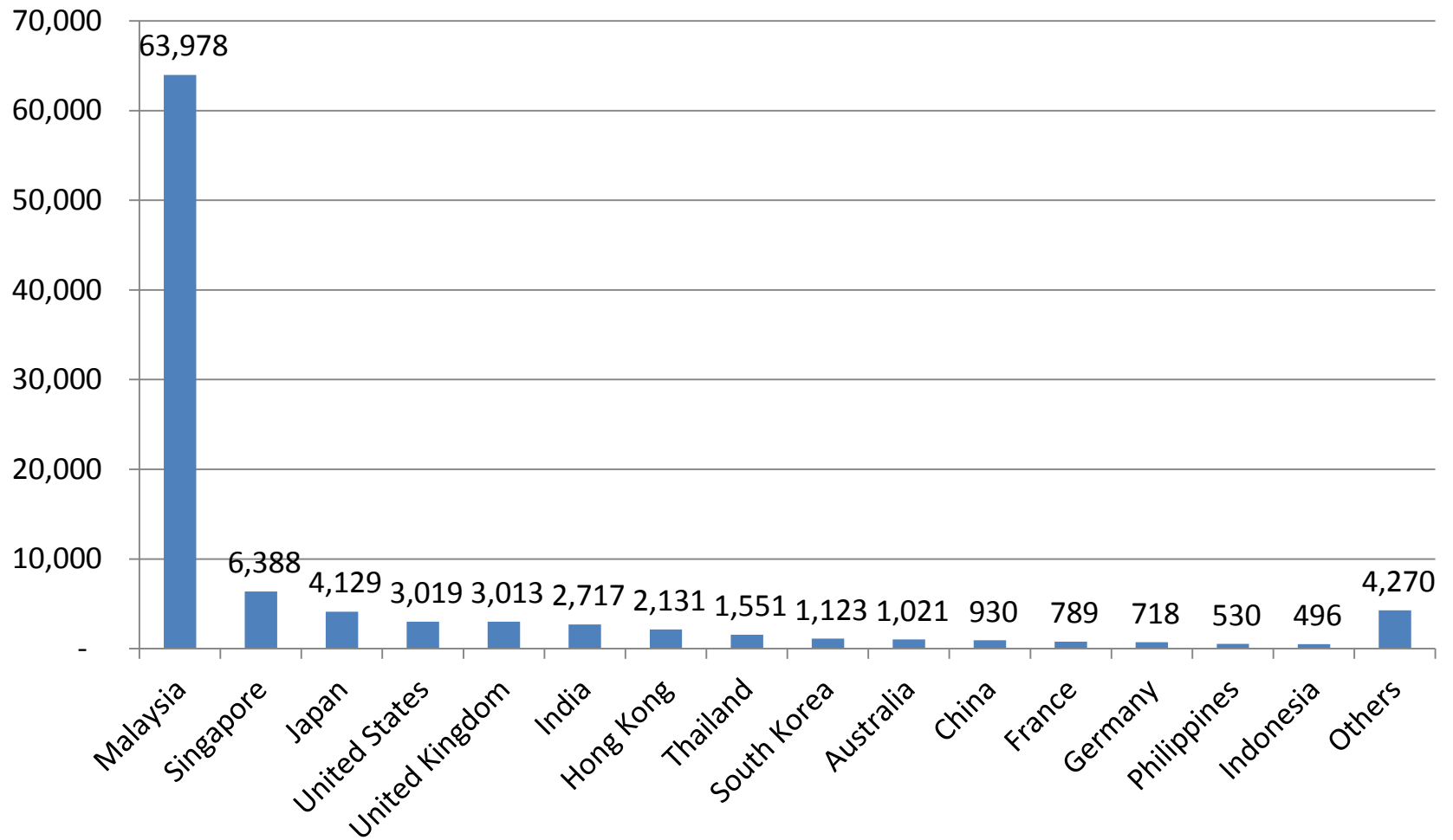
- Energy supply mix
- Self-reliance in supply
- Share of renewable energies in supply (primary energy supply or electricity generation fuel mix)
- Efficiency of electricity generation
- Electricity generation mix
- Refining efficiency
- Overall energy transformation efficiency
- Per capita consumption of primary energy and final energy
- Energy intensity and elasticity





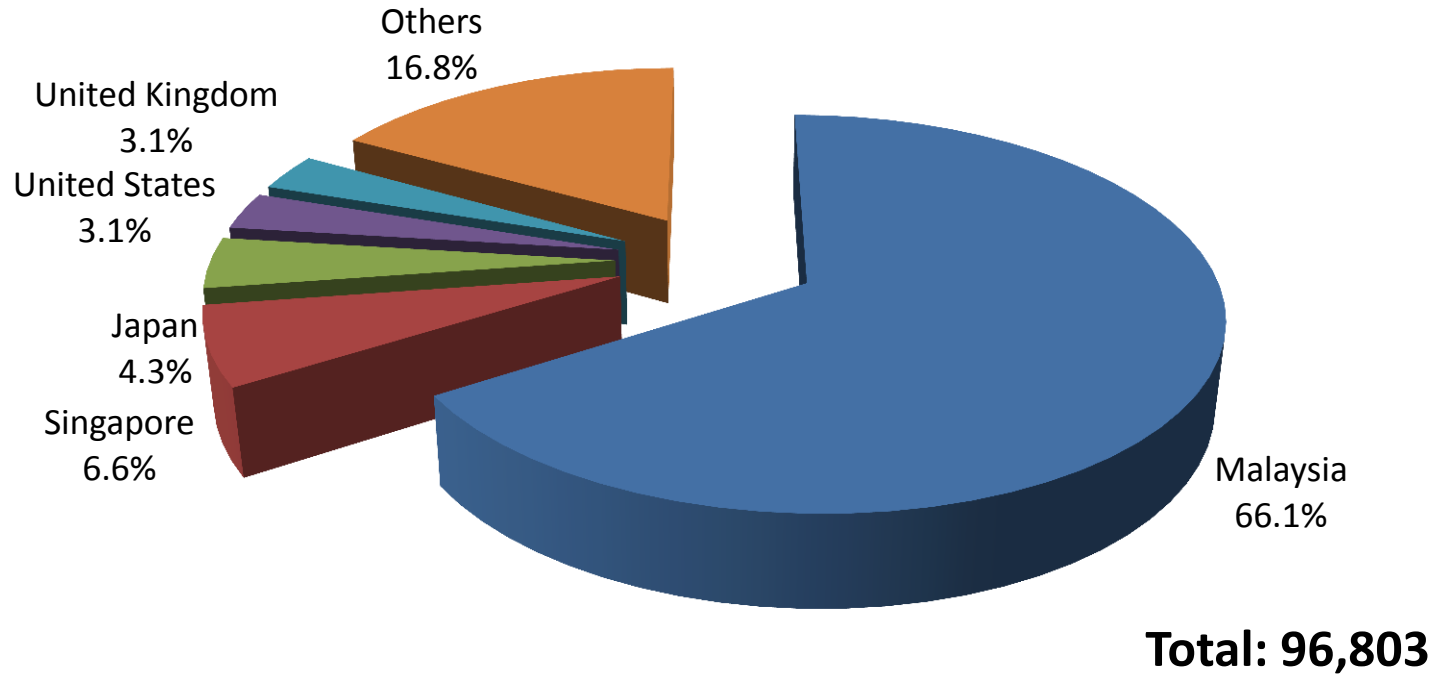
MEIH PAGEVIEWS STATISTICS





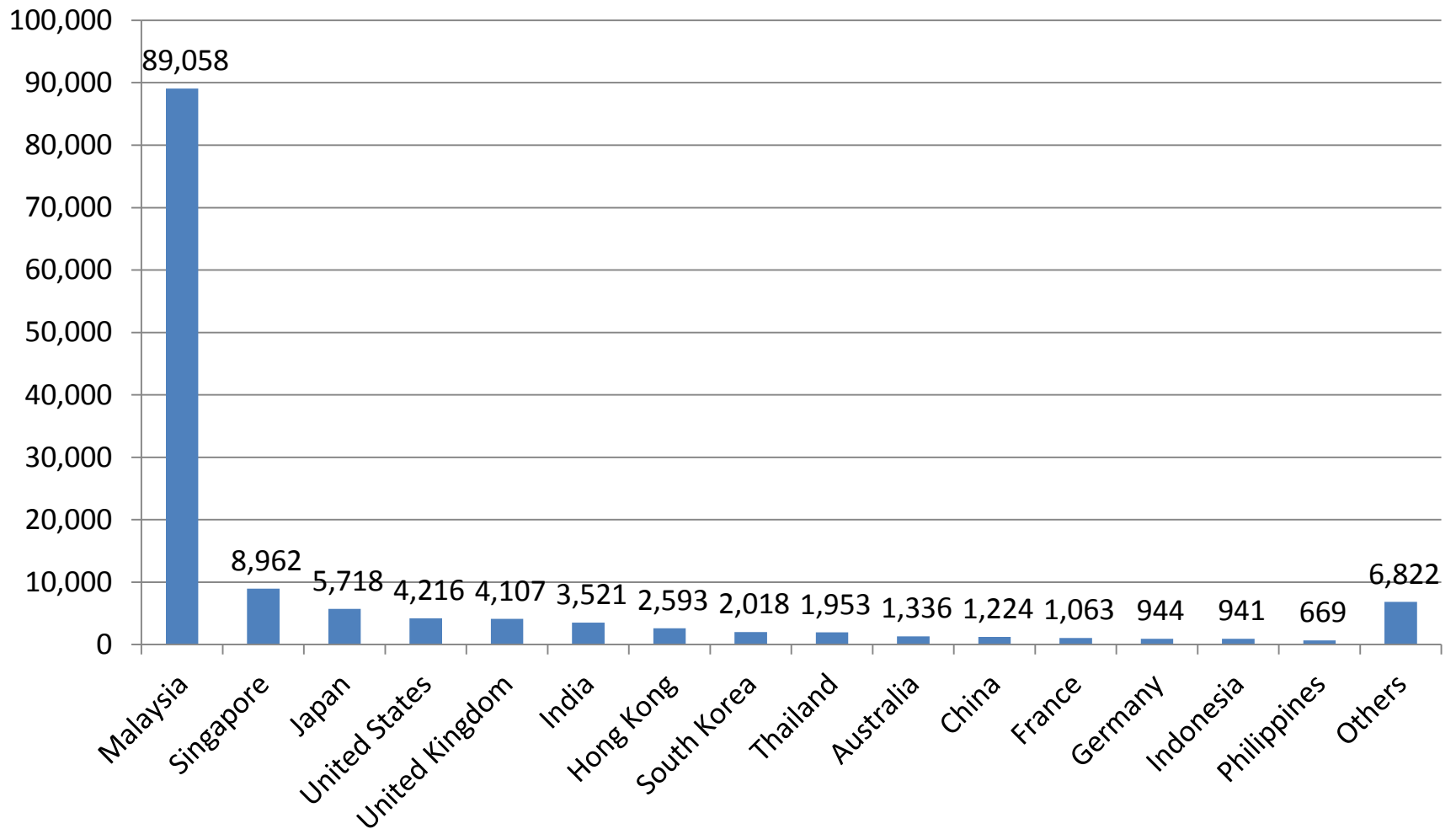
Total page views from 1st January 2013 until 31st
 December 2013 was 96,803





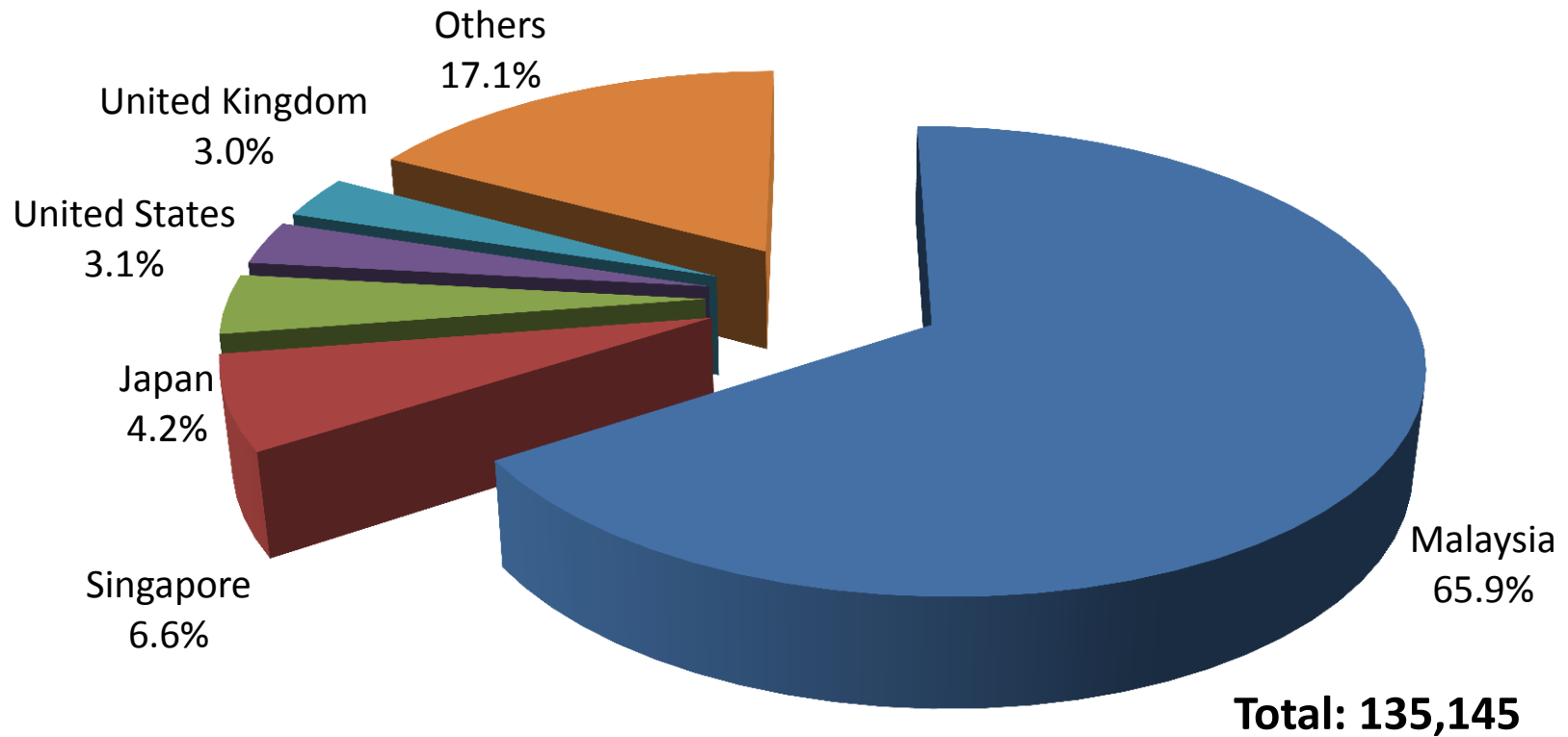
Total page views from 1st January 2013 until 31st December was 96,803





Total page views from 1st January 2013 until 28th April 2014 was 135,145





Total page views from 1st January 2013 until 28th April 2014 was 135,145





THANK YOU

