



EGNRET / EGEE&C Joint Meeting
Taichung, Chinese Taipei,
13 April, 2016

Progress Report of EGEDA

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Outline

- **APEC Workshop for Energy Data Collection**
- **Publication**
- **Data Collection for New and Renewable Energy**
- **Data Collection for Energy Efficiency**

APEC Workshop on Energy Statistics (Tokyo, February 2016)

Tokyo Prince Hotel, 23 to 25 February 2016

- 22 participants attended from 15 APEC economies.
- **Coordinating Agency (CA) of EGEDA** presented the latest information on APEC Energy Data Collection.
- **Participants** to present on their data collection, processing and analysis
- **APERC**, as an user of statistics, to present their energy data requirements in their studies for participants' information
- **International Organizations** (IEA, IEF, IRENA and UNESCAP) to explain their latest developments

APEC Workshop on Energy Statistics (Tokyo, February 2016)



Australia

Brunei Darussalam

Chile

China

Hong Kong, China

Japan

Malaysia

Mexico

Peru

The Philippines

Russia

Singapore

Chinese Taipei

United States

Viet Nam

Cambodia

Lao P.D.R.

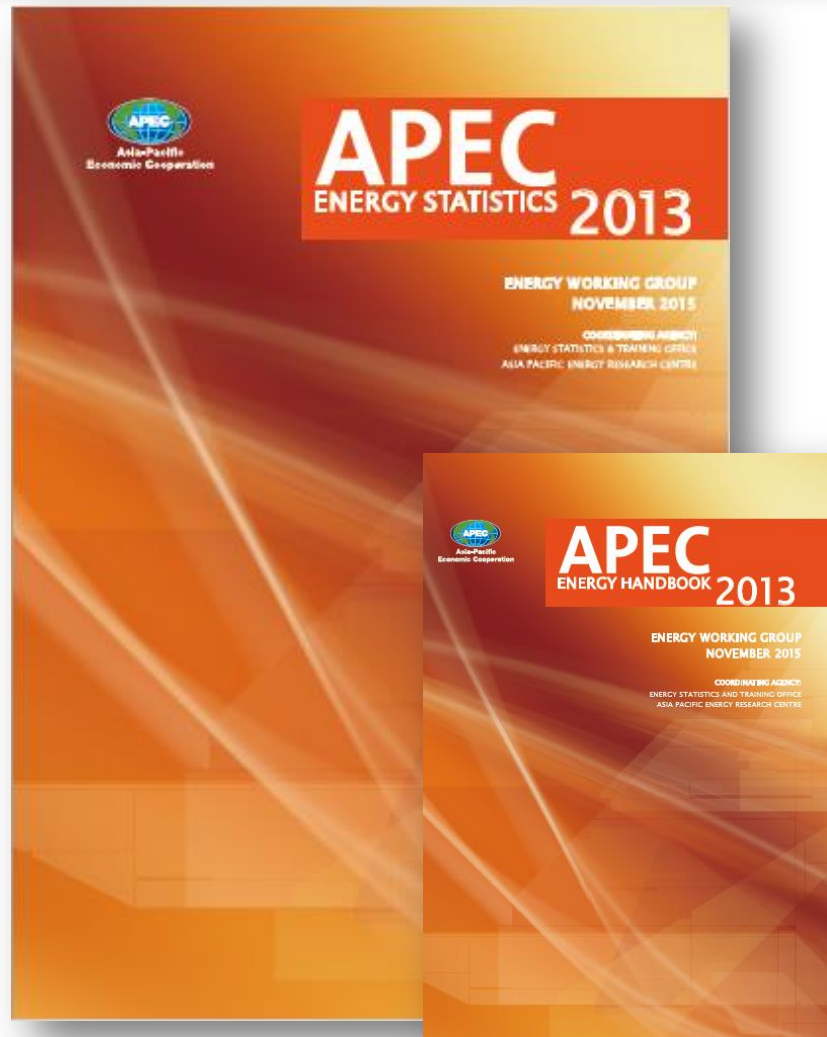
IEA

IEF

IRENA

UNESCAP

Publication of APEC Energy Statistics and Handbook



APEC Energy Statistics and APEC Energy Handbook are now available on EGEDA web-site.

Contents:

- ✓ **Energy Balance Table (Year 2013)**
- ✓ **Time-series data for energy supply and demand**
- ✓ **Analysis of energy trend**
- ✓ **Macro Economic Data**

Data Collection: Time Frame for Trials

EGEDA27: agreed 2 trial data collection

- Revise New and Renewable Questionnaires
- Trial Data Collection for Energy Efficiency



December 2015: Providing questionnaires & manuals for comments

January 2016: Feedback comments & revising questionnaires

February 2016: Providing questionnaires for trial data collection

March 2016: Collecting questionnaires with year 2014 data



Data Collection for New and Renewables

Annual Energy Data Collection

- **EGEDA is now collecting 2014 energy supply and demand data from member economies.**
- **Revised questionnaire for New and Renewable Energy are provided as trial basis.**
- **In this revised version, products to be defined are expanded from 20 to 38.**

Data Collection for New and Renewables

APEC-ASEAN Joint Format for Annual New and Renewable Energy Data

Supply Sector (Table 1)

		FuelWood & Woodwaste	of which		Bagasse	Rice husks	Straw	Charcoal ²	Other vegetal and agricultural waste	Other primary solid biomass	
			Wood and straw pellets / briquettes	Fuelwood							Wood waste
			1000t	1000t							1000t
		A	B	C	D	E	F	G	H	I	J
Production ¹	(+) 1										
Imports	(+) 2										
Exports	(-) 3										
Stock Changes (+ or -)	(+) 4	0				0			0	0	
Gross Inland Deliveries (calculated)	(=) 5	0				0			0	0	
Statistical Differences	6	0				0			0	0	
Gross Inland Deliveries (observed)	7	0				0			0	0	
TOTAL STOCKS on NATIONAL TERRITORY											
Total stocks on national territory - Opening	8										
Total stocks on national territory - closing	9										

Data Collection for New and Renewables

**APEC-ASEAN Joint Format for Annual New and Renewable Energy Data
Supply Sector (Table 1)**

APEC-ASEAN Joint Format for Annual New and Renewable Energy Data										
Supply Sector (Table 1)										
		Biogas	of which			Industrial Waste	Municipal Solid Waste		Black liquor	
			Landfill gas	Sewage sludge gas	Other biogases from anaerobic fermentation		Biogases from thermal processes	renewable		non-renewable
		10 ¹⁰ kcal (gross)	10 ¹⁰ kcal (gross)	10 ¹⁰ kcal (gross)	10 ¹⁰ kcal (gross)	10 ¹⁰ kcal (gross)	1000t	1000t	1000t	
		K	L	M	N	O	P	Q	R	S
Production ¹	(+) 1									
Imports	(+) 2									
Exports	(-) 3									
Stock Changes (+ or -)	(+) 4	0					0	0	0	
Gross Inland Deliveries (calculated)	(=) 5	0					0	0	0	
Statistical Differences	6	0					0	0	0	
Gross Inland Deliveries (observed)	7	0					0	0	0	
TOTAL STOCKS on NATIONAL TERRITORY										
Total stocks on national territory - Opening	8									
Total stocks on national territory - closing	9									

Data Collection for New and Renewables

APEC-ASEAN Joint Format for Annual New and Renewable Energy Data
Supply Sector (Table 1)

		Liquid Biofuels (Total)	Liquid Biofuels: of which				Hydro (total)				
			Biogasoline	of which Bioethanol	Bio-jet kerosene	Biodiesels	Total	of which			
								- 1MW	1-10 MW	10+ MW	Pumped Hydro
		1000t	1000t	1000t	1000t	1000t	GWh	GWh	GWh	GWh	GWh
		T	U	V	W	X	Y	Z	AA	AB	AC
Production ¹	(+) 1										
Imports	(+) 2										
Exports	(-) 3										
Stock Changes (+ or -)	(+) 4	0	0	0	0	0					
Gross Inland Deliveries (calculated)	(=) 5	0	0	0	0	0	0	0	0	0	0
Statistical Differences	6	0	0	0	0	0	0	0	0	0	0
Gross Inland Deliveries (observed)	7	0	0	0	0	0	0	0	0	0	0
TOTAL STOCKS on NATIONAL TERRITORY											
Total stocks on national territory - Opening	8										
Total stocks on national territory - closing	9										

Data Collection for New and Renewables

**APEC-ASEAN Joint Format for Annual New and Renewable Energy Data
Supply Sector (Table 1)**

		Geothermal		Solar			Tide, Wave & Ocean	Wind		
		Electricity	Heat	Photovoltaic	Thermal			Total	of which	
					Electricity	Heat			On-shore	Off-shore
		GWh	10 ¹⁰ kcal (gross)	GWh	GWh	10 ¹⁰ kcal (gross)	GWh	GWh	GWh	
		AD	AE	AF	AG	AH	AI	AJ	AK	AL
Production ¹	(+) 1									
Imports	(+) 2									
Exports	(-) 3									
Stock Changes (+ or -)	(+) 4									
Gross Inland Deliveries (calculated)	(=) 5	0	0	0	0	0	0	0	0	0
Statistical Differences	6	0	0	0	0	0	0	0	0	0
Gross Inland Deliveries (observed)	7	0	0	0	0	0	0	0	0	0
TOTAL STOCKS on NATIONAL TERRITORY										
Total stocks on national territory - Opening	8									
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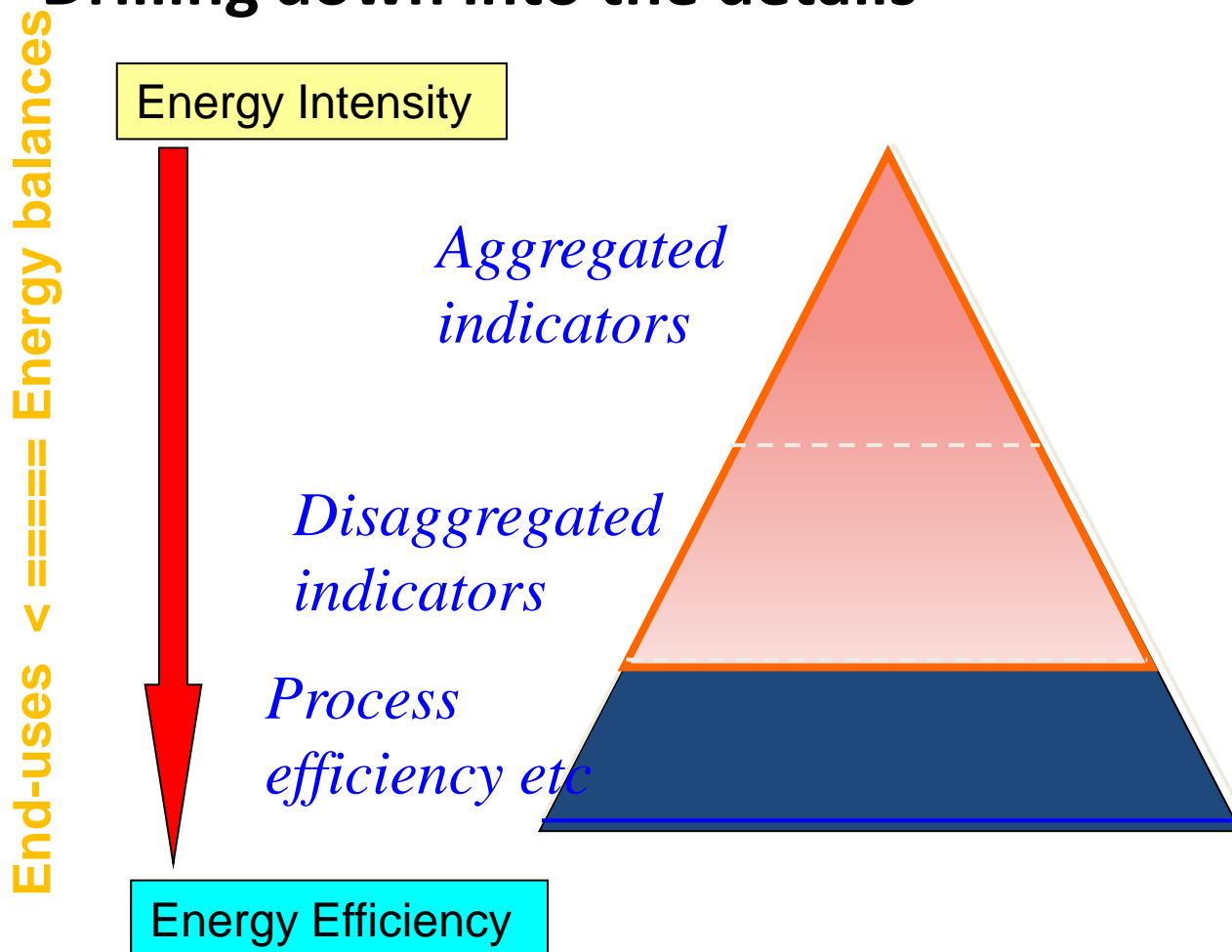
Data Collection for New and Renewables

Next Steps

- The proposed revisions had been communicated to all EGEDA focal points for comments.
- Comments had been received and no objections were received
- The revised questionnaire has been sent to EGEDA focal points together with the other 4 annual questionnaires for the collection of 2014 annual data.
- APERC ESTO will assess the practicality of using the revised questionnaire to be reported in the next EGEDA meeting.

Data Collection for Energy Efficiency

“Drilling down into the details”



Source: IEA
created by free version of



DocuFreezer

Data Collection for Energy Efficiency

Residential Sector

Space Heating / Space Cooling
Water Heating
Cooking
Lighting
Refrigerators / Freezers
Dish Washers
Clothes Washers / Clothes Dryers
Television/Home entertainment
PC/Information & communication
Other Appliances

Commercial Sector

Space Heating / Space Cooling
Water Heating
Lighting
Other Building Energy Use
Non-Building Energy Use

Energy

Petro. Products	Gas
Coal	Renewables
Heat	Electricity
Other	

Data Collection for Energy Efficiency: Questionnaire & User Manual

		Unit (PJ or ktoe)	ktoe	2008	2009	2010	2011	2012	2013	2014
Energy Consumption in Commercial and Public Services Sector (Annual)										
Space Heating										
1	Oil & Petroleum Products	ktoe								
2	Natural Gas	ktoe								
3	Coal & Coal Products	ktoe								
4	Combust. Renewables & Waste	ktoe								
5	Heat	ktoe								
6	Electricity	ktoe								
7	Other	ktoe								
Space Cooling										
8	Oil & Petroleum Products	ktoe								
9	Natural Gas	ktoe								
10	Coal & Coal Products	ktoe								
11	Combust. Renewables & Waste	ktoe								
12	Heat	ktoe								
13	Electricity	ktoe								
14	Other	ktoe								
Lighting										
15	Electricity	ktoe								
16	Other	ktoe								
Other Building Energy Use in Commercial and Public Services Sector										
17	Oil & Petroleum Products	ktoe								
18	Natural Gas	ktoe								
19	Coal & Coal Products	ktoe								
20	Combust. Renewables & Waste	ktoe								
21	Heat	ktoe								
22	Electricity	ktoe								
23	Other	ktoe								
Non-Building Energy use (please specify) (e.g. Street lighting)										
24	Oil & Petroleum Products	ktoe								
25	Natural Gas	ktoe								
26	Coal & Coal Products	ktoe								
27	Combust. Renewables & Waste	ktoe								
28	Heat	ktoe								
29	Electricity	ktoe								
30	Other	ktoe								

EGEDA
under DWG-APEC

APEC Energy Efficiency Template
(Draft version)

User Manual

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