



EGNRET / EGEE&C Joint Meeting  
Taichung, Chinese Taipei,  
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# Progress Report of EGEDA

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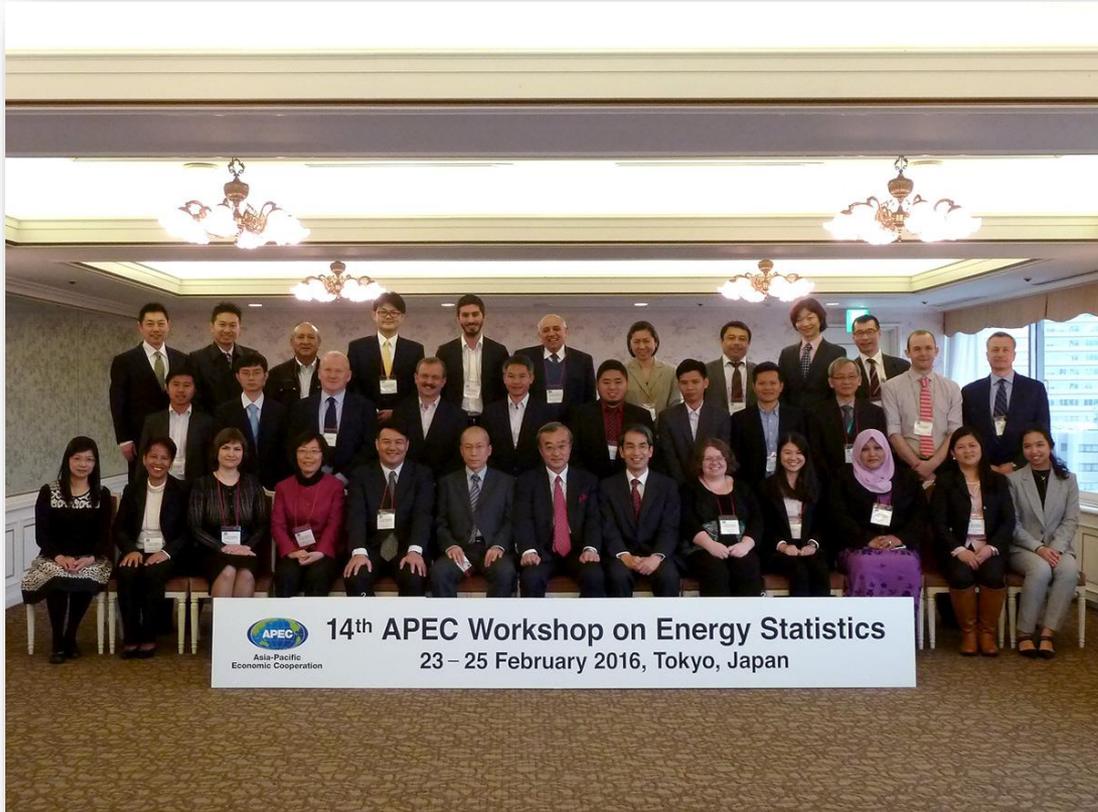
# Outline

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

## 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
- **APEREC**, 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

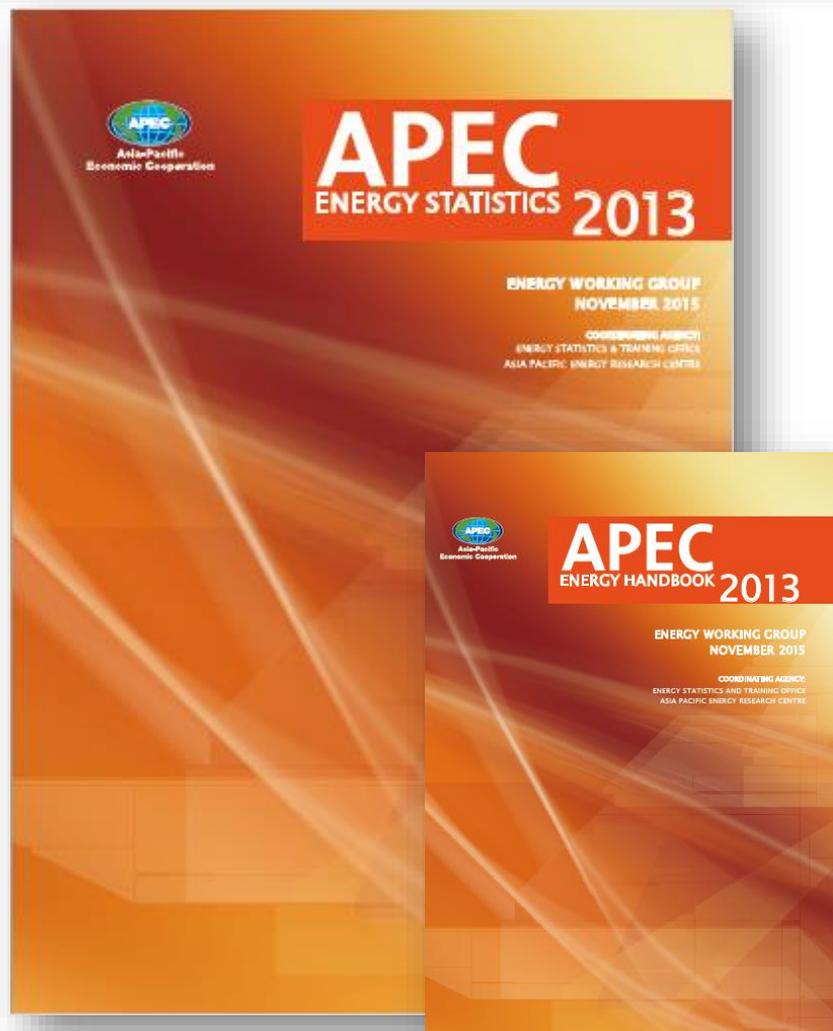
# APEC Workshop on Energy Statistics (Tokyo, February 2016)



**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 <sup>2</sup>	Other vegetal and agricultural waste	Other primary solid biomass	
			Wood and straw pellets / briquettes	Fuelwood							Wood waste
		1000t	1000t	1000t	1000t	1000t	1000t	1000t	1000t	1000t	
		A	B	C	D	E	F	G	H	I	J
Production <sup>1</sup>	(+) 1										
Imports	(+) 2										
Exports	(-) 3										
Stock Changes (+ or -)	(+) 4	0			0			0	0		
<b>Gross Inland Deliveries (calculated)</b>	<b>(=) 5</b>	<b>0</b>			<b>0</b>			<b>0</b>	<b>0</b>		
Statistical Differences	6	0			0			0	0		
<b>Gross Inland Deliveries (observed)</b>	<b>7</b>	<b>0</b>			<b>0</b>			<b>0</b>	<b>0</b>		
<b>TOTAL STOCKS on NATIONAL TERRITORY</b>											
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)**

		of which					Industrial Waste	Municipal Solid Waste		Black liquor
		Biogas	Landfill gas	Sewage sludge gas	Other biogases from anaerobic fermentation	Biogases from thermal processes		renewable	non- renewable	
								10 <sup>10</sup> kcal (gross)	10 <sup>10</sup> kcal (gross)	
		K	L	M	N	O	P	Q	R	S
Production <sup>1</sup>	(+) 1									
Imports	(+) 2									
Exports	(-) 3									
Stock Changes (+ or -)	(+) 4	0					0	0	0	
<b>Gross Inland Deliveries (calculated)</b>	<b>(=) 5</b>	<b>0</b>					<b>0</b>	<b>0</b>	<b>0</b>	
Statistical Differences	6	0					0	0	0	
<b>Gross Inland Deliveries (observed)</b>	<b>7</b>	<b>0</b>					<b>0</b>	<b>0</b>	<b>0</b>	
<b>TOTAL STOCKS on NATIONAL TERRITORY</b>										
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 <sup>1</sup>	(+) 1										
Imports	(+) 2										
Exports	(-) 3										
Stock Changes (+ or -)	(+) 4	0	0	0	0	0					
<b>Gross Inland Deliveries (calculated)</b>	<b>(=) 5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Statistical Differences	6	0	0	0	0	0	0	0	0	0	0
<b>Gross Inland Deliveries (observed)</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL STOCKS on NATIONAL TERRITORY</b>											
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 <sup>10</sup> kcal (gross)	GWh	GWh	10 <sup>10</sup> kcal (gross)		GWh		
		AD	AE	AF	AG	AH	AI	AJ	AK	AL
Production <sup>1</sup>	(+) 1									
Imports	(+) 2									
Exports	(-) 3									
Stock Changes (+ or -)	(+) 4									
<b>Gross Inland Deliveries (calculated)</b>	<b>(=) 5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Statistical Differences	6	0	0	0	0	0	0	0	0	0
<b>Gross Inland Deliveries (observed)</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL STOCKS on NATIONAL TERRITORY</b>										
Total stocks on national territory - Opening	8									
Total stocks on national territory - closing	9									

# 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

## 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	2008	2009	2010	2011	2012	2013	2014
		(PJ or ktoe)	ktoe						
<b>Energy Consumption in Commercial and Public Services Sector (Annual)</b>									
<b>Space Heating</b>									
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							
<b>Space Cooling</b>									
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							
<b>Lighting</b>									
15	Electricity	ktoe							
16	Other	ktoe							
<b>Other Building Energy Use in Commercial and Public Services Sector</b>									
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							
<b>Non-Building Energy use (please specify) (e.g. Street lighting)</b>									
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							

