Revised IEA-Eurostat-UNECE questionnaires

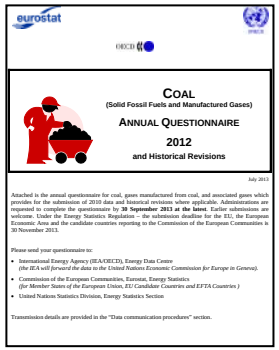
6th InterEnerStat Meeting

IEA, Paris, 4-5 December 2012

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Energy Data Centre
International Energy Agency

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Outline


eurostat

COAL
(Solid Fossil Fuels and Manufactured Gases)
ANNUAL QUESTIONNAIRE
2012
and Historical Revisions

July 2013

Attached is the annual questionnaire for coal, gases manufactured from coal, and associated gases which provides for the submission of 2010 data and historical revisions where applicable. Administrations are requested to complete the questionnaire by **30 September 2013 at the latest**. Earlier submissions are welcome. Under the Energy Statistics Regulation – the submission deadline for the EU, the European Economic Area and the candidate countries reporting to the Commission of the European Communities is 30 November 2013.

Please send your questionnaire to:

- International Energy Agency (IEA/OECD), Energy Data Centre
  (the IEA will forward the data to the United Nations Economic Commission for Europe in Geneva).
- Commission of the European Communities, Eurostat, Energy Statistics
  (for Member States of the European Union, EU Candidate Countries and EFTA Countries)
- United Nations Statistics Division, Energy Statistics Section

Transmission details are provided in the "Data communication procedures" section.

- What changes were made to the 5 annual questionnaires as a result of the InterEnerStat harmonisation?



- What presentational changes were made to the IEA energy statistics and energy balances?

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Coal Questionnaire (1)

- Net calorific value ranges updated for the various coals

Unit: kJ/kg	Old	New
Hard Coal	greater than 23 865	greater than or equal to 24 000
Sub-bituminous Coal	17 435 – 23 865	20 000 to less than 24 000
Lignite	less than 17 435	less than 20 000

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Coal Questionnaire (2)

- Lignite/brown coal renamed to be only lignite

	Anthracite	Coking coal	Other bituminous coal	Sub-bituminous coal	Lignite / brown coal
SUPPLY AND TRANSFORMATION SECTOR	**10^3 t**	**10^3 t**	**10^3 t**	**10^3 t**	**10^3 t**
Indigenous production	**0**	**0**	**0**	**0**	**0**
Underground production	0	0	0	0	0
Surface production	0	0	0	0	0
From other sources	0	0	0	0	0
Total imports (Balance)	0	0	0	0	0
Total exports (Balance)	0	0	0	0	0
International marine bunkers	0	0	0	0	0
Stock changes (National territory)	0	0	0	0	0
Inland consumption (Calculated)	**0**	**0**	**0**	**0**	**0**
Statistical differences	**0**	**0**	**0**	**0**	**0**

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Coal Questionnaire (3)

- Oil shale and oil sands moved out of lignite

	Anthracite	Coking coal	Other bituminous coal	Sub-bituminous coal	Lignite		Oil shale and oil sands
SUPPLY AND TRANSFORMATION SECTOR	**10^3 t**	**10^3 t**	**10^3 t**	**10^3 t**	**10^3 t**		**10^3 t**
Indigenous production	**0**	**0**	**0**	**0**	**0**	0	0
Underground production	0	0	0	0	0		
Surface production	0	0	0	0	0		
From other sources	0	0	0	0	0	0	0
Total imports (Balance)	0	0	0	0	0	0	0
Total exports (Balance)	0	0	0	0	0	0	0
International marine bunkers	0	0	0	0	0	0	0
Stock changes (National territory)	0	0	0	0	0	0	0
Inland consumption (Calculated)	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Statistical differences	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Coal Questionnaire (4)

- Change “oxygen steel furnace gas” to “other recovered gases”

	Gas works gas	Coke oven gas	Blast furnace gas	Other recovered gases
SUPPLY AND TRANSFORMATION SECTOR	**TJ (gross)**	**TJ (gross)**	**TJ (gross)**	**TJ (gross)**
Indigenous production	0	0	0	0
Underground production				
Surface production				
From other sources	0	0	0	0
Total imports (Balance)	0	0	0	0
Total exports (Balance)	0	0	0	0
International marine bunkers	0	0	0	0
Stock changes (National territory)	0	0	0	0
Inland consumption (Calculated)	**0**	**0**	**0**	**0**
Statistical differences	**0**	**0**	**0**	**0**

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Coal Questionnaire (5)

- Separate peat briquettes from BKB

	Anthracite	Coking coal	Other bituminous coal	Sub-bituminous coal		BKB		Peat products
SUPPLY AND TRANSFORMATION SECTOR	10^3 t	10^3 t	10^3 t	10^3 t		10^3 t		10^3 t
Indigenous production	**0**	**0**	**0**	**0**	0	0	0	0
Underground production	0	0	0	0				
Surface production	0	0	0	0				
From other sources	0	0	0	0	0	0	0	0
Total imports (Balance)	0	0	0	0	0	0	0	0
Total exports (Balance)	0	0	0	0	0	0	0	0
International marine bunkers	0	0	0	0	0	0	0	0
Stock changes (National territory)	0	0	0	0	0	0	0	0
Inland consumption (Calculated)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Statistical differences	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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Coal Questionnaire (summary)

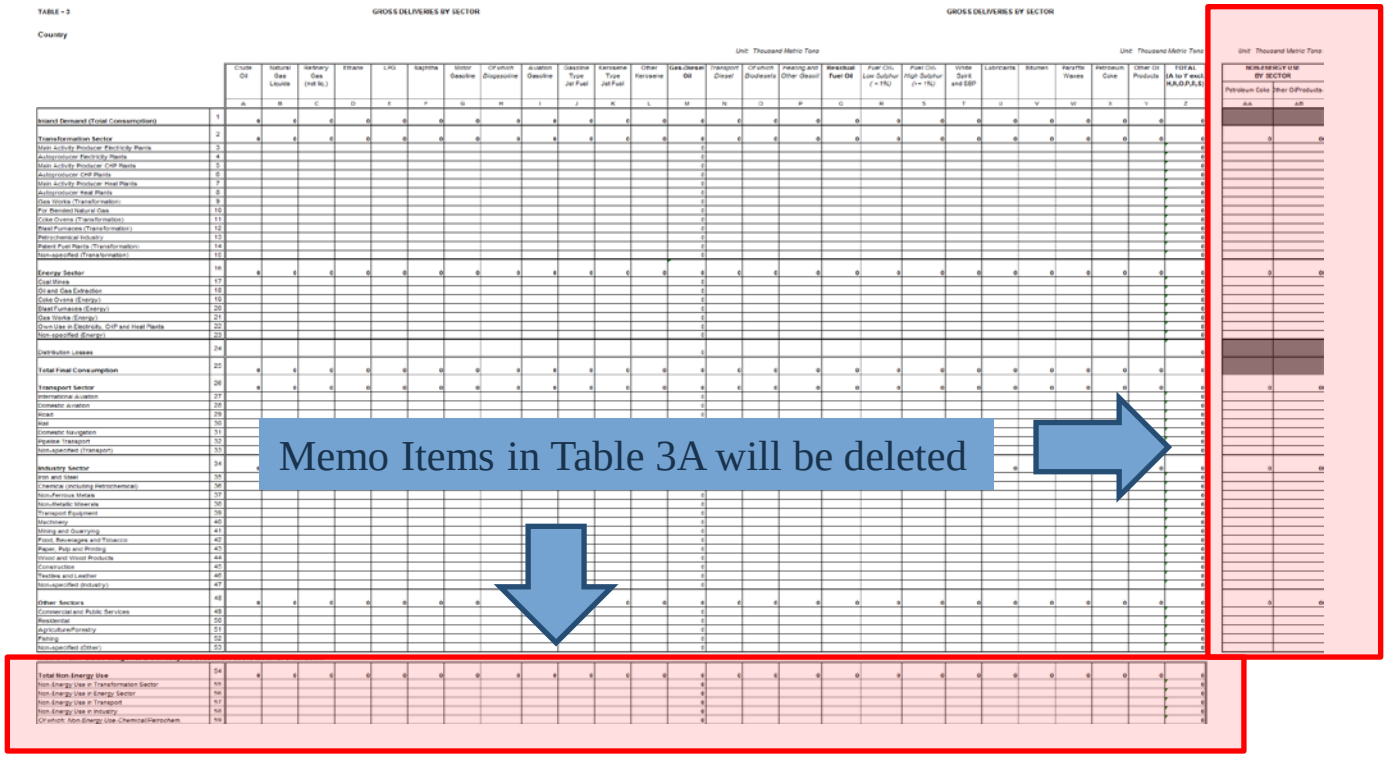
SUPPLY AND TRANSFORMATION SECTOR	Anthracite 10^3 t	Coking coal 10^3 t	Other bituminous coal 10^3 t	Sub-bituminous coal 10^3 t	Lignite 10^3 t	Patent fuel 10^3 t	Coke oven coke 10^3 t	Gas coke 10^3 t	Coal tar 10^3 t
Indigenous production	**0**	**0**	**0**	**0**	**0**	0	0	0	0
Underground production	0	0	0	0	0				
Surface production	0	0	0	0	0				
...	0	0	0	0	0	0	0	0	0

SUPPLY AND TRANSFORMATION SECTOR	BKB 10^3 t	Gas works gas TJ (gross)	Coke oven gas TJ (gross)	Blast furnace gas TJ (gross)	Other recovered gases TJ (gross)	Peat 10^3 t	Peat products 10^3 t	Oil shale and oil sands 10^3 t
Indigenous production	0	0	0	0	0	0	0	0
Underground production								
Surface production								
...	0	0	0	0	0	0	0	0

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Oil Questionnaire (1)

- More detailed reporting of non-energy use



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Oil Questionnaire (2)

- Addition of bio-jet kerosene

		~~	Gasoline Type Jet Fuel	**Kerosene Type Jet Fuel**	~~~~~~~~
		J	K	L	N
Primary Product Receipts	(+) 1	~~~~			~~~~
Refinery Gross Output	(+) 2	~~~~			~~~~
Inputs of Recycled Products	(+) 3	~~~~			~~~~
Refinery Fuel	(-) 4	~~~~			~~~~
Total Imports (Balance)	(+) 5	~~~~			~~~~
Total Exports (Balance)	(-) 6	~~~~			~~~~
International Marine Bunkers	(-) 7	~~~~			~~~~
Interproduct Transfers	(+) 8	~~~~			~~~~
Products Transferred	(-) 9	~~~~			~~~~
Stock Changes (National Territory)	(+) 10	~~~~			~~~~
Gross Inland Deliveries (Calculated)	(=) 11	~~~~			~~~~
Statistical Differences	(-) 12	~~~~			~~~~
Gross Inland Deliveries (Observed)	(=) 13	~~~~			~~~~

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Oil Questionnaire (3)

- Other changes not linked to harmonisation
  - Petrochemical reporting
  - Gas/diesel oil detail
  - Separate the bio and non-bio fraction of blended fuels
  - Refinery fuel for heat only plants

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Renewables Questionnaire (1)

- Rename solid biomass to solid biofuels

Wood/Wood Wastes/Other Solid Wastes
Memo: Wood (TJ-net)
Memo: Vegetal waste (TJ-net)
Memo: of which: wood waste (TJ-net)
Memo: Black liquor (TJ-net)
Memo: Other solid biomass (TJ-net)



Solid biofuels (excluding charcoal) (TJ-net)
Fuelwood, wood residues and by-products
Of which: wood pellets
Black liquor
Bagasse
Animal waste
Other vegetal materials and residues

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Renewables Questionnaire (2)

- Modify reporting of biogases

Wood/Wood Wastes/Other Solid Wastes
Memo: Wood (TJ-net)
Memo: Vegetal waste (TJ-net)
Memo: of which: wood waste (TJ-net)
Memo: Black liquor (TJ-net)
Memo: Other solid biomass (TJ-net)



Solid biofuels (excluding charcoal) (TJ-net)
Fuelwood, wood residues and by-products
Of which: wood pellets
Black liquor
Bagasse
Animal waste
Other vegetal materials and residues

Biogases from anaerobic fermentation
Landfill gas (TJ-net)
Sewage sludge gas (TJ-net)
Other biogases from anaerobic fermentation (TJ-net)
Biogases from thermal processes (TJ-net)

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Renewables Questionnaire (3)

- Other changes not linked to harmonisation
  - Add row for “Blast Furnaces (Transformation)” in the transformation sector
  - The categories for liquid biofuels modified and the columns for liquid biofuels categories opened for consumption
  - Add tables for liquid biofuels trade
  - Reporting instructions for solar thermal and geothermal data improved

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Gas Questionnaire

- Changes not linked to harmonisation
  - More explicit instructions for the reporting of trade
  - Provision for reporting of natural gas stocks held abroad
  - More explicit instructions for including LNG storage

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Electricity Questionnaire (1)

Relevant changes from the other questionnaires

- Gross electricity and heat production from combustible fuels
  - Coal: lignite, BKB, other recovered gases, peat products, oil shale and oil sands
  - Renewables: solid biofuels, biogases, biodiesels, other liquid biofuels

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Electricity Questionnaire (2)

- Changes not linked to harmonisation
  - Report hydro capacity of mixed pumping stations separately
  - Add a line for electricity consumption in road transport
  - Split solar capacity between solar thermal and solar PV

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Presentational issues



- Products:
  - Coal ➔ Coal and peat
  - Lignite/brown coal ➔ Lignite
  - Oxygen steel furnace gas ➔ Other recovered gases
  - Combustible renewables ➔ Biofuels
  - Solid biomass ➔ Solid biofuels
- Flows:
  - International aviation bunkers moved from transport to supply
  - Transformation sector ➔ Transformation processes
  - Energy sector ➔ Energy industry own use

More changes to come with the new questionnaires !!!

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To finish up

- Important that organisations try to move towards IRES
- Some changes are easy – others not so easy
- Be as transparent as possible with the definitions
- May take a bit of time

Thank you

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