

Changes to the Joint IEA/EUROSTAT/UNECE Annual Energy Questionnaire

Mieke Reece

The following changes to the joint IEA/EUROSTAT/UNECE energy questionnaire were proposed by the NEU-CO₂ network on its second workshop, which was held in Brussels on 13-14 April, 2000 (changes are printed in italics).

1. Solid Fuels questionnaire:

Definition of Non-Energy Use: *report coal and coal derived fuels used for non-energy purposes in the chemical/petrochemical industry, e.g. solid fuels used as feedstocks in the production of ammonia and methanol.*

2. Natural Gas questionnaire:

- a) **Non-energy use:** report by sector and sub-sector non-energy use of natural gas. This category includes
 - Natural gas feedstocks in processes such as cracking and reforming for the purpose of producing ethylene, propylene, butylene, aromatics, butadiene and other non-energy hydrocarbon based raw materials. Not included are the amounts of energy consumed as fuel for petrochemical processes such as steam cracking.
 - *Natural gas inputs (total) to ammonia and methanol production plants.*
- b) **Energy use:** report by sector and sub-sector all energy use of natural gas. Report amounts of energy consumed as fuel for petrochemical processes such as steam cracking. *Excluded are the inputs for ammonia and methanol production.*

3. Oil questionnaire:

- a) **Energy use:** report quantities of oil used as fuel for petrochemical processes such as steam cracking. *Do not include any inputs to ammonia and methanol production.*
- b) **Non-Energy use:** report quantities of petroleum products used in the petrochemical sector for the purpose of producing ethylene, propylene, butylene, synthesis gas, aromatics, butadiene, *carbon black* and other hydrocarbon-based raw materials in processes such as steam cracking, aromatics plants and steam reforming. Exclude amounts of oil used for fuel purposes. *Please note that total inputs of petroleum products for ammonia and methanol production are included in this category.*



Changes to the joint IEA/ Eurostat/ UNECE annual questionnaires

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Questionnaires affected:

- - *oil*
- - *natural gas*
- - *Coal (solid fuels, wastes and manufactured gases)*

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Annual Oil Questionnaire

● Before:

- ◆ Gross Deliveries to Petrochem Sector
- ◆ Non-energy Use in Petrochem Sector
- ◆ Backflows
- ◆ Total Net deliveries to Petchem Sector

● Change:

- ◆ Gross Deliveries to Petrochem Sector
- ◆ Energy Use in Petchem Sector
- ◆ Non-energy Use in Petrochem Sector
- ◆ Backflows
- ◆ Total Net deliveries to Petchem Sector

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Changes to the definitions

- ◆ **energy use in the petrochemical sector:**
report quantities of oil used as fuel for petrochemical processes such as steam cracking
- ◆ **non-energy use:** *report quantities of oil used in the petrochemical sector for the purpose of producing ethylene, propylene, butylene, synthesis gas, aromatics, butadiene and other hydrocarbon-based raw materials in processes such as steam cracking, aromatics plants and steam reforming. Exclude amounts of oil used for fuel purposes.*

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Natural Gas Questionnaire

● Clarification of definitions:

- ◆ **Non-energy use:** *report by sector and sub-sector non-energy use of natural gas. This category includes feedstocks in processes such as cracking and reforming for the purpose of producing ethylene, propylene, butylene, aromatics, butadiene and other non-energy hydrocarbon based raw materials. Do not include amounts of energy consumed as fuel for petrochemical processes such as steam cracking, ammonia production and methanol production.*

- ◆ **Energy use :** *report by sector and sub-sector all energy use of natural gas. Report amounts of energy consumed as fuel for petrochemical processes such as steam cracking, ammonia production and methanol production.*

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Solid Fuels Questionnaire

- **Additional row : Non-Energy use in the Petrochemical Sector**

- **Change to the definition :** *Report solid fuels used for non-energy purposes in the petrochemical industry, e.g. solid fuels used as feedstocks in the production of ammonia and methanol.*

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