

Energy statistics

Energy statistics cover a large range of statistics, from the very detailed, to the most aggregated. Their elaboration needs the definition of a rigorous framework, which allows to support the compilation of the basic statistics and to aggregate them in order to produce key indicators.

An integrated system of energy statistics was created in Luxembourg in 2010. It aims to join forces among the various public administrations into a common program of national energy statistics production.

The main working groups participating in this system are the Luxembourg Institute of Regulation (ILR), the Commercial office for supplying (OCRA), the Environment agency and the STATEC. Coordination in every step of the production process represents the major advantage in ensuring good consistency of the statistics to be produced and in avoiding duplication in the tasks.

The Luxembourg Institute of Regulation collects data on production, imports and exports of electricity and natural gas and sends them monthly to STATEC.

The Commercial office for supplying (OCRA) collects data on imports and exports of oil products and transmits them monthly to STATEC.

STATEC collects monthly data on import and export of coal products. It also serves as focal point for basic data on other energy vectors delivered from partners. STATEC checks and processes these data in order to produce official statistics, which will be forwarded to the international institutions and published on the public statistics portal.

Once a year, STATEC organizes the set-up of the overall energy balances. It collects numerous annual data from the different partners of the statistical system - in particular from the Environment agency - and carries out the process and the balancing of energy supply and energy consumption. At the end of this production process, the overall energy balances (based on the territorial principle) are available and are transmitted to international institutions and published on the public statistics portal; furthermore the “use” tables are generated (based on the residential principle). These tables will be used for the production of NAMEA-Lux, energy accounts and air emission accounts

Energy statistics processed by the integrated statistics system also cover energy prices. Fuel prices are followed daily while electricity and natural gas prices are collected using a biannual survey carried out by STATEC.

In addition to the production and the dissemination of basic statistics, STATEC also carries out the compilation of key indicators in the field of renewable energies and energy efficiency, which enable the Energy Department to follow the national political evolutions in these domains.

Recently, STATEC, in cooperation with the Ministry of economics and the Ministry of sustainable development has started to work on the establishment of forecasts on energy consumption on mid-term basis.