

Līga Ozoliņa, Marika Roša, Anna Beloborodko, Anna Paturska,
Riga Technical University, Institute of Energy Systems and Environment, Latvia

Summary

The **Green Investment Scheme** programme in Latvia, the **Climate Change Financial Instrument (CCFI)**, was developed in 2007. The CCFI is a state budget programme which aims to contribute to climate changes and to reduce greenhouse gas emissions. The main idea of the CCFI programme is to provide co-financing to increase the use of renewable energy sources and improve energy efficiency in Latvia. Within the framework of CCFI programme a call for proposals for the project "**Complex Solutions for Greenhouse Gas Emission Reduction in Industrial Buildings**" was announced. This is a state budget financed tender that provides grants for investments in energy efficiency for Latvian industrial companies. Currently this is the only project that has been implemented to improve energy efficiency in the Latvian industrial sector.

Expected results

In total, **51 project applications** for 71 industrial building renovations were submitted, and **48 were approved**. The total financing granted in the framework of the programme was €11.6 mln (95.6 % of total available financing for the tender). The co-financing of industrial companies was estimated to be €12.1 mln. **The expected total energy savings** after the implementation of energy efficiency measures are **33.9 GWh**, 85% of which will be reached with the heat energy measures, predominantly through insulating industrial buildings. The remaining 15% will be gained from electrical efficiency measures through the installation of new equipment for technological processes and lighting.

Monitoring

Up until the end of March 2012 **only four companies** have submitted the first period monitoring reports. If the first monitoring results are projected for a one-year period than this would reach **~75% of the total expected yearly energy saving**. In addition, none of the industrial companies which submitted the first monitoring results reached the expected energy savings reported in the energy audits.

Expected monitoring results

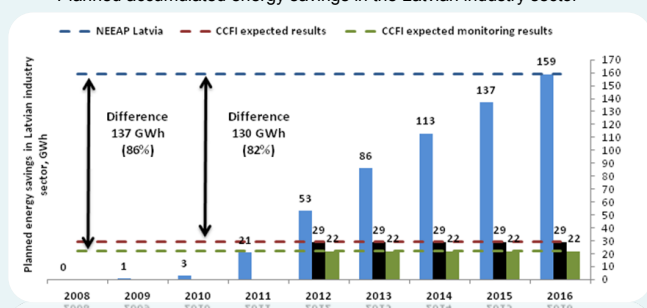
The results show that within the CCFI project tender **29 GWh (efficiency factor 100%)** or around **22 GWh (efficiency factor 75%)** will be reached. Accordingly, it is 18% or 14% of the total stated energy savings for the Latvian industrial sector in 2016.

Issues to be discussed

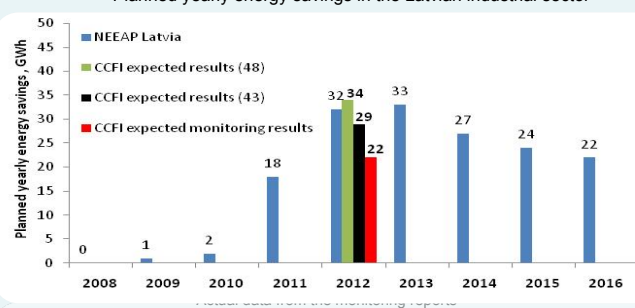
The project "**Complex Solutions for Greenhouse Gas Emission Reduction in Industrial Buildings**" is **currently the only* energy efficiency instrument for the Latvian industrial sector** in which the reduction of energy consumption has been achieved. However, based on the first period monitoring results and, in general, the energy efficiency policy for Latvian industries, strong doubts exist that the **states' defined energy efficiency target (159 GWh, National Energy Efficiency Action Plan)** will be reached in the year 2016.

* In September 2012 the second round of CCFI for industries was announced.

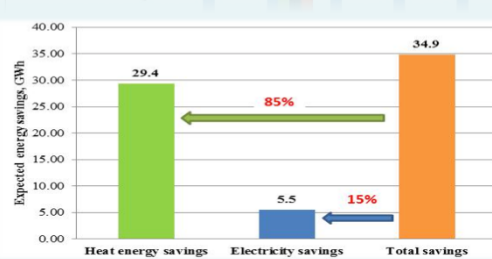
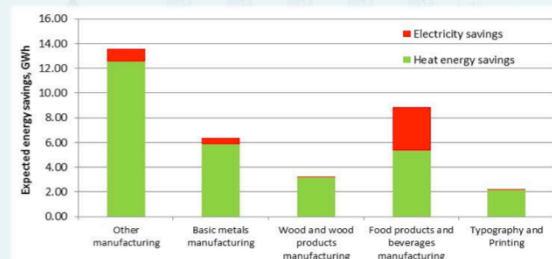
Planned accumulated energy savings in the Latvian industry sector



Planned yearly energy savings in the Latvian industrial sector



Annual energy savings divided by the type of energy within different industries



Total energy savings within the tender divided by the type of energy

The distribution of applicants by the industries and investment efficiency

