

Status of implementation of EED in Republic of Serbia

25th EECG meeting 17th of March 2021.
Republic of Serbia

Article 5 - rate of renovations of CGB in 2019 and 2020

- **List of CGB adopted** by Government of Republic of Serbia in a form of Decision no 5. 337-6889/2018 in August 2018.
- **28 out of 56 CGB will be refurbished in the period 2021/2025**
 - Investments: CEB Programme loan of 40 mill euro
 - TA
 - WBiF (300.000 eur for PIU) and
 - CEB donors (SIGA and SCA – 600.000 for EA and development of part of the technical documentation).
 - Implementation: Ministry of Mining and Energy, Administration for Joint Services of the Republic Bodies and UNDP.
- **In the Draft Law on energy efficiency and Rational Use of Energy provisions for implementation of article 5 are included.**

Other projects in the public buildings sector

Budgetary Fund for EE

- Started operation in 2014
- Implemented 7 public calls: EE in local self-government units (LSGU)
- 91 contracts concluded.
- Measures:
 - thermal envelope (replacement of windows and installation of thermal insulation)
 - Improve EE of HVAC systems (installation of biomass boilers, installation of thermostatic valves, electronically regulated circulation pumps and devices for measuring heat).
- Buildings: kindergartens, health care centers, primary and secondary schools and administrative buildings of local self-government units.
- Financing: 70% of the costs covered by BF
30% of the costs covered by LSGU
- A total of over 800 million dinars has been awarded so far.
- Estimated energy savings around 22.54 million kWh per year,
- Reduction in CO₂ emissions is around 10,200 t / year

Other projects in the public buildings sector

Program **Greening the Public Sector**: energy-efficient rehabilitation of VMA hospital

- Implementation foreseen in 3 phases, Serbian-German financial cooperation
- Total estimated value of rehabilitation is 203 mil. euro.
- **The first phase estimated value is 110 mil. euro -refers to the Project**
- Secured: KfW loan (50 mil.euro) and EU grant WBIF TA (5 mil.euro)
- Partners: KfW and Ministry of Mining and Energy
- Period of implementation for the I phase: 2022-2027
- **The goal of the Project is to achieve energy savings and improve the quality of VMA hospital services**
- **Expected savings:**
 - around 40% of natural gas of the hospital
 - around 30% of electrical energy consumption of the hospital
 - * equivalent to savings by rehabilitation of 170 public buildings.

Other projects in the public buildings sector

- **Other projects in the public buildings sector**
 - **Municipal Energy Efficiency and Management Project** financed by SECO will enable energy rehabilitation of about 18 public buildings in municipalities in 2021/2022.
 - 2 buildings* in Municipality Paracin 1,200,000 CHF
 - 6 buildings* in Krusevac City 1,600,000 CHF
 - 4 buildings* in Uzice City 1,600,000 CHF
 - 6 buildings* in Municipality Vrbas 1,600,000 CHF
 - Expected energy savings: 609 MWh/year
 - Expected CO₂ износиће 210 t/year

*Mainly schools and kindergardens,

Article 7 in Serbia – selected approach:

- Republic of Serbia officially notified EnC on implementation of Article in January 2020. Notification is prepared with the technical assistance of EBRD REEP project.
- Cumulative target with all additional allowances is set on 317,5 ktoe for period 2017.-2020.
- Serbia determined that the goal will be achieved by implementation of alternative measures.

Article 7 in Serbia – alternative measures

➤ **Main alternative measures:**

- Energy Management System in Public and Industry sectors
- IFI financial support in Households, Public and Industry sectors
- Budgetary Fund

➤ **Additional qualified measures:**

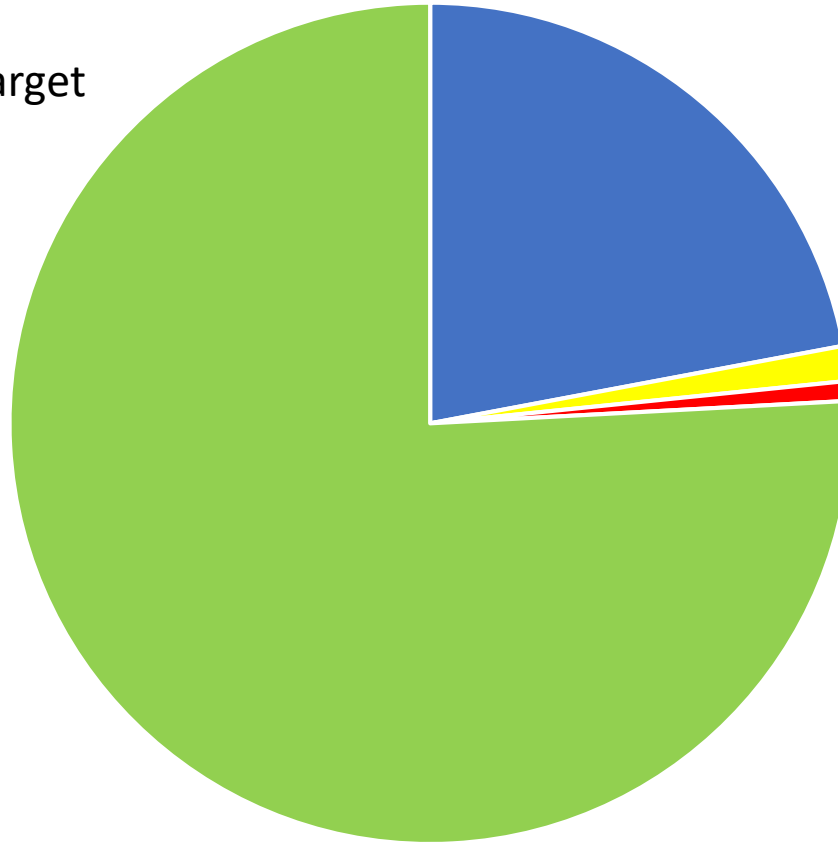
- Public lighting
- Regulation on new and imported vehicle emissions
- Eco-design

Article 7- Savings through alternative measures

272,128 ktoe calculated in 2020 based on savings from 2017/2018
(85% of target value for 2020)

% contribution to 2020 cumulative target

- EMS - 18.9%
- IFIs - 1.15%
- BF - 0.65%
- T Euro standards - 65.03%



Article 8 in Serbia – Energy Audits

- **Article 8 energy audits performed by 2020 in Serbia:**
 - The Draft of new Law on energy efficiency and rational use of energy has redefined conditions for licensing of the energy auditors and will enable establishment and implementation of systematic energy audit approach.
 - Draft of the new Law on energy efficiency and rational use of energy has passed public debate and is in the process of the Government approval.
 - Secondary legislation prescribing training and examination of energy auditors as well as EA methodology and reporting is drafted by IPA 2014 project. Secondary legislation will be adopted upon adoption of the Law by the Parliament.
 - At the moment energy audits are being implemented for the purpose of development of different projects in accordance with international practice and IFI requirements.