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ENERGY EFFICIENCY IN BUILDINGS – CURRENT STATUS AND CHALLENGES

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Energy efficiency of buildings in the Kyrgyz Republic

Law No. 137 of July 26, 2011 on the energy efficiency of buildings entered into force on February 26, 2012;

GKR Resolution No. 531 of August 2, 2012:

Regulations on the procedure for energy certification of buildings;

Regulations on the procedure for conducting periodic control of boilers, heating systems and hot water supply.

To support of the Law put into effect by order of the Gosstroy No. 143 dated May 28, 2013



- SNiP23-01:2013
 "Construction heat
 engineering (Thermal
 protection of buildings)",
- 2. SP 23-101-2013 "Design of thermal protection of buildings",



- 3. Methodology for calculating the energy efficiency indicators of buildings and determining the energy efficiency class for energy certification of buildings;
- 4. Methodological instructions for conducting periodic monitoring of the energy efficiency of boilers, heating systems of buildings and hot water supply of buildings;
- 5. Manual to the calculation application for the energy certification of buildings (based on Microsoft Excel);

Qualification certification of specialists within the framework of the Law "On the energy efficiency of the buildings":

сертификации зданий



Manual (Guideline) for Certified Professionals:

- energy certification of buildings;
- on carrying out periodic monitoring of the energy efficiency of boilers, heating systems of buildings and hot water supply of buildings;
- Public Registry User Guide

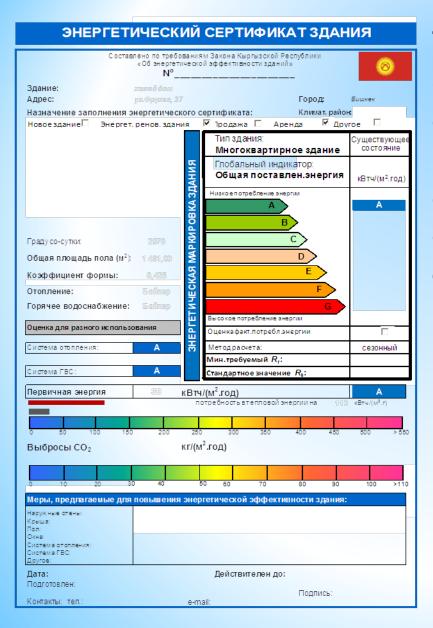
Underlaws adopted to support the Law "On the Energy Efficiency of Buildings":

Resolution of the Government of the Kyrgyz Republic "On approval of regulatory legal acts in the field of energy efficiency of buildings" dated January 17, 2020 No. 13

- -The procedure for maintaining the state register of energy certificates of buildings, reports on periodic control of the energy efficiency of boilers, heating and hot water supply systems, certified specialists in energy certification of buildings and on periodic control of the energy efficiency of boilers, heating systems and hot water supply;
- The order of qualification certification of specialists in the field of energy efficiency of buildings.

STATE ONLINE REGISTER OF ENERGY EFFICIENT BUILDINGS AND INDEPENDENT SPECIALISTS. THERE ARE CURRENTLY 27 ENERGY AUDITORS





The purpose of certification is to characterize the consumption of energy resources by the building, identify the potential for energy saving and propose energy saving measures to the owner of the building

Possibilities:

Improve the old!

- conducting energy audit and certification of buildings;
- improvement of thermal insulation of buildings;
- insulation of external structures;

Apply new!

- new construction technologies
- alternative energy sources;
- attraction of investments;
- improving the environment and reducing emissions.

Energy Saying Benefits

for the population:

- reduction of expenses for heating and hot water by 40-50%;
- reducing the cost of maintenance and upkeep of houses;
- increase in the market value of houses and apartments;
- increasing the aesthetic appearance of the building, blocks, cities;
- increasing the life cycle of the building;

for the state and society

- reducing the load on the power system and increasing its reliability;
- increase in the possible export of electricity;
- reducing the need for social subsidies;

for commercial structures -

- development of the energy-saving technologies market (attracting large suppliers to the market);
- advanced training of architects and designers;
- new business opportunities.

Thank you for your attention!