



Promoting Energy Efficiency and Renewable Energy in Central Asia

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Analysis of Advanced Technologies in Energy Efficiency and Renewable Energy in the Framework of the Global Energy Efficiency 21 Project and Preparation of Recommendations on its Application with Special Emphasis on Central Asian Region

Project sponsored by the Government of the Russian Federation (\$ 210, 000 for 2011-2013)

The primary objective of the project is to identify the most effective institutional, legal, financial, technical and other mechanisms to improve performance in energy efficiency and renewable energy, with an emphasis on the identification of appropriate EE and RE technologies for the Central Asian Region.





Analysis of Advanced Technologies in Energy Efficiency and Renewable Energy in the Framework of the Global Energy Efficiency 21 Project and Preparation of Recommendations on its Application with Special Emphasis on Central Asian Region

- National Studies (for Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan) have been completed.
- Priorities of the most appropriate technologies for particular country has been identified.





Regional Studies



Synthesis study for Central Asian countries to promote application of advanced energy

Increasing cooperation of the Central Asian countries in application of advanced energy efficiency and renewable energy technologies

Study on the application of Energy Efficiency and Renewable Energy Advanced Technologies in Central Asian Countries (Inventory/database of EE and RE technologies)





Synthesis study for Central Asian countries to promote application of advanced energy efficiency and renewable energy technologies



- review of the EE&RE market conditions in the targeted countries;
- information on EE&RE policy and regulatory frameworks at the national level;
- information on barriers for widespread application of technologies to apply energy efficiency and renewable energy technologies;
- information on the most promising technologies in renewable energy and energy efficiency for the CA based on national studies done under the project;
- information on completed and ongoing EE&RE technology application programs funded by the governments, international financing institutions and/or international/bilateral development agencies;
- the needs and opportunities for private sector investments to catalyze new EE&RE investments in the regions; and
- instruments to scale up EE&RE investments in the regions with the recommendation of collaborative measures that countries can undertake





Increasing cooperation of the Central Asian countries in application of advanced energy efficiency and renewable energy technologies



- Overview of the performance of countries in the region based on the 25 Best Practice Guidelines identified by the IEA;
- Status of energy sector in targeted countries;
- The need of coordinated policy to harmonize national programmes in the field of EE and RE technologies application;
- Cooperation among the countries in priority areas of application of advanced EE&RE technologies;
- International cooperation on the CA region countries in EE and RE;
- Recommendations aimed at fostering introduction of advanced EE and RE technologies and enhancing cooperation among participating countries.





Study on the application of Energy Efficiency and Renewable Energy Advanced Technologies in Central Asian Countries



- Brief overview of the development and dissemination of advanced technologies in energy efficiency and renewable energy in the world;
- Inventory/database of EE and RE technologies;
- Recommended most appropriate EE and RE technologies for countries in the region;
- Possibilities to apply the prioritized technologies, including through attracting domestic or foreign direct investment;
- Recommendations aimed to stimulate the production and/or purchase of advanced EE&RE technologies.





Thank you

Global Energy Efficiency 21 Project

<http://www.unece.org/energy/gee21.html>

