

BSEC GREEN ENERGY STRATEGY

Our vision is to ensure an Enhanced BSEC Partnership in Green Energy, taking into account the framework of action in the field of energy under the BSEC Economic Agenda, in particular:

Short term:

1. Enhance cooperation among the BSEC Member States in the Green Energy sector, including through the elaboration of common approaches and projects, where possible.
2. Achieve efficiency in the use of energy resources through closer cooperation and coordination between energy producers and consumers of the BSEC Region and through cooperation and exchange of experience among State institutions in charge of energy efficiency.
3. Enhance further cooperation with relevant international financial organizations and institutions in the field of funding Renewable Energy, Energy Efficiency, Sustainable fossil fuel energy and Environment Protection projects.
4. Engage in exchange of experience and best practices, including through the organization of joint educational programmes among the authorities in BSEC Member States in charge with Green Energy.
5. Encourage cooperation among the Member States to define National Energy Strategies with the view to promoting renewable energy sources, clean technologies and energy efficiency.

Long Term:

1. Enhance the contributions of Renewable Energy Sources and Energy Efficiency improvements among the BSEC Member States in order to materialize the vision of transforming the BSEC Region into a model for clean energy by the year 2050.
2. Supporting investments in Renewable Energy and Energy Efficiency in the BSEC Region, with the view to increase energy security, interconnectivity and further diversify energy sources.

MISSION

Our Mission is to achieve the realization of the idea of "Prosperity in the wider Black Sea Area through regional economic cooperation".

BASIC GREEN ENERGY TARGETS

- I.** Climate Change Mitigation Options
- II.** Security of Energy Supply
- III.** Energy Efficiency
- IV.** Use of Renewable Energy Sources
- V.** Sustainable fossil fuel energy
- VI.** Environmental Protection/Transition to a Clean Energy Economy

STRATEGIES

Member States envisage:

- to increase awareness of renewable energy, sustainable fossil fuel and clean coal technologies, energy conservation and energy efficiency;
- to use energy effectively and efficiently in the public sector, industry and households;
- to develop and manufacture energy efficient products;
- to reduce energy intensity and energy losses in the industry and services sectors;
- to take necessary and feasible actions for the protection of the environment while making energy related investments in BSEC Member State;
- to remove financial and policy/administrative barriers for the development of Green Energy;
- to introduce administrative, financial and regulatory measures promoting energy efficiency and sustainable energy investments;
- to introduce schemes to support generation and consumption of electricity, heating and cooling from renewable sources;

- to ensure a stable investment environment for the rehabilitation of existing facilities and construction of new energy facilities, taking into consideration the efficiency and environmental protection criteria, relevant national priorities and security of supply policies of the countries;
- to improve energy management in industry and construction sectors;
- to decrease energy demand and carbon emissions of the buildings; to promote sustainable environmentally friendly buildings using renewable energy sources;
- to promote and develop environmentally friendly new energy technologies including clean fossil fuel technologies; to develop renewable energy technologies and equipment;
- to promote and develop flexibility options, such as interconnection and transmission capacities, smart grid technologies, energy storage, flexible power plants, demand side management, and regional cross-border cooperation to achieve access to reliable, affordable and resilient energy.
- to enhance cooperation among Energy Regulatory Authorities of BSEC Member States with a view to supporting the achievement of BSEC energy agenda goals.

ENERGY POLICY AND FORMULATION OF ENERGY STRATEGIES

The BSEC Member States will consider:

- Formulating the EE, RES and Energy Access Action Plans;
- Adopting legislation, policies and standards, identifying gaps and needs in terms of institutional structure;
- Setting up energy agencies/centers;
- Setting up and managing regional energy networks in the BSEC Region.

THEME AREAS OF PROJECT DEVELOPMENT RELEVANT TO THE TARGETS AND THE SCOPES OF THE STRATEGY PAPER

I. Climate Change Mitigation Options

- Exchange information and experiences in the field of the development and implementation of mid-century, long-term low greenhouse gas emission development strategies of the BSEC Member States.

II. Security of Energy Supply

- Enhance energy security in the BSEC region through cooperation and dialogue on issues such as emergency response matters;
- Bolster energy security in the BSEC region by diversifying energy sources and transport routes as well as by increasing the use of gas storage.

III. Energy Efficiency

- Design minimum energy performance benchmarks for buildings, appliances and lightingmarket inspection among BSEC Member States;
- Develop an enabling environment for ESCOs in the BSEC Region: legislation, regulations, certification of energy savings evaluation methodologies, energy auditors, templates for contracts, facilitate ESCOs to access capital, third partly financing models, pilot projects implemented with the EPC concept;
- Engage in collaborative endeavors such as seminars, workshops, and personnel exchange programmes to facilitate the exchange of education and training of energy efficiency and conservation, energy technology for relevant stakeholders in the BSEC region;
- Advance the application of demonstrated energy-efficiency practices and technologies in appropriate regional end-use sectors (residential, commercial, industrial, agricultural, transportation, etc);
- Improve the analytical, technical, operational and policy capacity for energy efficiency and conservation within member economies;
- Establish cooperative linkages with other international organizations to maximize energy efficiency and conservation information exchange, and minimize duplication of efforts;
- Undertake and facilitate activities that reduce business costs and enhance trade in energy efficient products through cooperation on energy standards. Such activities will support internationally the acceptance of test results; facilitate alignment and harmonization of test procedures and standards; and develop equivalence and translation tools for comparing energy performance levels;
- Encourage program activities in relevant energy end-use sectors to encourage business/private sector participation in applying energy-efficiency practices and technologies region-wide.

IV. Use of Renewable Energy Sources

- Develop effective policy recommendations for addressing impediments to the increased use of renewable energy technologies and for including renewable energy in domestic energy plans;
- Map renewable energy resources for wind, solar, hydro and geothermal in the BSEC Region;
- Design and implement a feasibility study of local off-grid projects and pilot micro grids;
- Identify and map the biomass and cogeneration investment potential of the BSEC Region;
- Realize renewable energy source demonstration projects (small PV parks, small hydro, small wind, etc);
- Design and implement Training and Certification Programmes (PV parks, Solar Thermal, Wind) for RES installations in the BSEC Region;
- Promote the development of renewable energy technologies for specific applications that demonstrate the effectiveness of using these technologies to achieve specific economic or social goals of BSEC-member states;
- Commercialize renewable energy technologies in such a way as to make them economically viable in a wide range of applications;

V. Sustainable fossil fuel energy

- Enhance the long-term economic and environmental attributes of fossil fuel production and use throughout the region to assist BSEC members, who rely on fossil fuels, to meet their economic development and sustainability goals;
- Gather, analyze, and share information on technical, economic, regulatory, and policy aspects of fossil energy production, transportation, and use within the BSEC region.
- Assess linkages between fossil energy production and use and associated environmental issues, including air emissions, waste production, and water demand, which need to be considered 1) by member economies in developing their research and technology development and deployment

programs and related environmental policies and 2) in commercial projects, by the private sector and financial institutions.

- Promote joint research, development, and demonstration activities and development of commercial projects employing clean fossil fuels and technologies;
- Promote sound policies, regulations, and investment climate for clean fossil energy in the region;
- Deepen members' understanding, including the need for policy parity relative to other energy options, of clean, low-carbon fossil energy as means to meet their sustainable economic development goals;
- Develop new initiatives and recommend actions to promote the development and deployment of environmentally sound and highly efficient fossil energy technologies, including carbon capture, utilization, and storage (CCUS), to ensure a viable energy mix of members and the region as a whole.

VI. Environmental Protection/Transition to a Clean Energy Economy

- Promote sustainable development of renewable energy and energy efficiency measures;
- Support activities among BSEC Member States which will boost clean and innovative energy technologies in order to reduce negative environmental effects of non-sustainable fossil fuel technologies.
- Taking into account that natural gas is a less emission intensive fossil fuel, which can play an important and effective role in moving towards a low greenhouse gas emission energy future and providing increased flexibility for the integration of variable renewable energy sources;
- Enhance collaboration on solutions that promote natural gas extraction, transportation, and processing in a manner that minimizes environmental impact.