The period of turbulence in the Russian economy continues. Despite the gradual adaptation of business and government to sanctions pressure, the current operating mode can barely be called normal. Difficulties with bank transfers within foreign trade transactions including the wide range of equipment import, necessary for the energy infrastructure functioning, makes a negative effect on the investment projects. Both the CapEx and project execution timelines have been increased significantly. The expectations for lower credit interest rates have also not been met: in an attempt to restrain inflation, the central bank more than doubled the key rate relative to the 2023 level. This often makes capital-intensive investment projects unsustainable.

Although Russian renewable energy received a number of additional drivers for development in 2024, the volume of new construction still leaves much to be desired. However, there are some prospects for solar and wind generation, and the key factor here has been the short-term forecast of electricity shortages in some of the regional energy systems and awareness of the industry regulators that it can be quickly covered by construction of solar power plants and wind farms. It is also important that, according to the results of the investment projects selection the new thermal generation facilities were almost twice as expensive as RES generation facilities.

The expansion of wholesale market price zones, in particular the inclusion of the Far East territories, rich with renewable energy sources, will be another major factor in enhancing investment potential. The extension to the new territory of the wholesale electricity and capacity market rules, and therefore the mechanisms for stimulating investments to the new generation construction, including those based on renewable energy, is a good signal for investors to start projects' development. The estimated medium-term potential of RES generation projects in this region is in the range of 4-5 GW.

2024 brought industry a number of long-awaited news from the industrial sector. At the beginning of the year, the largest in Europe plant of the PV cells and silicon wafers production with the capacity of 1.3 GW/year was commissioned in the Kaliningrad region. The results of the competitive selection of the project for the conclusion of special investment contract for the localization of wind turbines with a unit capacity of 6.25 MW organized by the Ministry of Industry and Trade of Russia were announced in June. The winner was the company «Forward Energy», which plans to launch a new plant in Samara region by 2026.

Competitive selection of renewable energy generation projects will be held in the wholesale and retail electricity markets in autumn. The rules will be finetuned in both segments. For the wholesale market, the most important novelty is the new requirement to approve the locations of the generation objects selected earlier. For regional selections on retail markets the mechanism of financial guarantees for applicants will apply. This is a measure designed to increase discipline in the implementation of investment projects.

Until the end of 2024 the approval of a number of strategic documents is expected: Energy Strategy-2050, General Plan for the energy facilities placement, Plan of activities for implementation of Low Carbon Development Strategy, as well as national projects «New nuclear and energy technologies», announced by Sergei Tsivilev - new Minister of Energy.

What role will be assigned to renewable energy in the Russian power system in the long term? Will renewable energy generation become a new "hero" in preventing the local electricity shortages? What signals will be given to the investors by the Russian government and industry regulators? Will it be possible to restart regional competitive selection in retail markets and improve their efficiency? We will try to find answers to these and other questions within the II conference "Renewable Energy of Russia: energy transition technologies"

During the discussion, we will definitely touch on the results of the competitive selections on the wholesale and retail markets, as well as possible scenarios for the renewable energy generation development outside of these support programs. We plan to pay a certain attention to the topic of international cooperation and the opportunities that foreign economic cooperation can open for the Russian renewable energy sector players.

Also, within the conference "**Russian Renewable Energy: Energy Transition Technologies**," we will summarize a number of Russia Renewable Energy Development Association awards and competitions and present well-deserved prizes to the winners.

PROGRAM.

09:30 - 10:00. Registration, morning coffee.

Welcome address to the participants of the conference by **Boris Titov**, Special Representative of the President of Russia for Relations with International Organizations to Achieve Sustainable Development Goals of the Administration of the President of the Russian Federation.

Greeting video message from **Francesco La Camera**, Director-General of the International Renewable Energy Agency (IRENA) to the participants of the conference "Renewable Energy in Russia: Transition Technologies."

10:00 - 12:00. Session 1. **Renewable energy industry today and in the future: new regulation - new investment signals**

Moderator
Vasily Zubakin, Head of the Department of Renewable Energy Sources, Gubkin Russian State University of Oil and Gas (National Research University)

Topics of discussion:

- The period the economy adjustment to the sanctions restrictions has passed, but the pace of new generation facilities construction is not recovering. When to expect a strong growth and what market segments will provide additional impetus?
- Which policy decisions have not yet been made, but have high potential to ensure further development of the industry?
- Progress in the industrial equipment manufacturing sector: which technologies show the greatest potential?
- How the new projects for localizing equipment production progressing and when can we expect the new results?
- How the new decisions affected investment activity in the small hydro generation segment? Prospects for further expansion of the support program.
- How the new regulation for the RES projects locations approval affects the new investments?

Speakers
Evgeny Grabchak, Deputy Minister, Ministry of Energy of the Russian Federation

Vadim Dormidontov, First Vice President, Gazprombank
Alexey Zhikharev, Director, Russia Renewable Energy Development Association; CEO, ENSOLVE
Vladimir Kolmogorov, CEO, En+
Grigory Nazarov, CEO, Rosatom Renewable Energy
Alexandra Panina, Chair of the Supervisory Board, Association "Council of Energy Producers"; Board Member - Head of the Trading Center, "Inter RAO"
Pavel Snikkars, Chairman of the Supervisory Board, "NP Market Council" Association

12:00 – 12:30. Coffee break

12:30 – 14:00. Session 2. **The role of renewable energy in the country's energy balance: How to ensure the ability to cover electricity shortages during the economic growth?**

Moderator
Natalia Nevmerzshitskaya, Chair of the Board, Association of Guaranteed Suppliers and Energy Service Companies

Topics of discussion:

- How to ensure the effectiveness of decision-making on the optimal generation structure in the long term?
- How the electricity landscape changes with technology development?
- Which technologies will provide the opportunity to maximize the efficiency of integrating RES generation into the energy system?
- In what areas of the energy system the RES generation is already a solution to prevent energy shortages?
- Do energy supply companies observe increasing demand for the individual energy reliability solutions on the customer side?
- Which promising electricity market models to be considered in order to ensure real competition of generation technologies? Is this competition necessary?
- Investments in generation outside of CSA: which scenarios are most likely to realize?

Speakers
Mikhail Andronov, CEO, Rusenergosbyt
Oleg Barkin, Board Member, "NP Market Council" Association; CEO, Energy Certification Center
Alexey Kaplun, Director of Energy Development Department, Polyus; CEO, H2 Clean Energy
Andrey Katayev, Board Member, Director of Energy Markets and External Relations, "System Operator of the Unified Energy System"
Alexander Klimov, Head of Electrified Transport Service, KAMAZ
Andrey Maksimov, Director of the Department for Electricity Development, Ministry of Energy of the Russian Federation
Roland Roesch, Director of the Innovation and Technology Centre (IITC), International Renewable Energy Agency (IRENA) **– participating via video conferencing**

Vladimir Tupikin, Director of Energy and Resource Provision, Sibur; Chairman of the Supervisory Board, Energy Consumers Community Association; Member of the Supervisory Board, NP Market Council; Member of the Government Commission on Electricity Development
Oleg Shutkin, Deputy General Director, Unigreen Energy

14:00 – 15:00. Lunch

15:00 – 16:30. Session 3. **International cooperation in energy transition: Common objective - common solutions!**

Moderator
Andrey Sharonov, CEO, National ESG Alliance

Topics of discussion:

- Joint investment projects and international partnership: opportunities within the framework of EAEC, BRICS, SCO, ASEAN.
- The international organizations and financial institutions role in enhancing investment activity in energy transition projects.
- What instruments and support measures for the implementation of foreign projects are available to investors?
- Where and how to find real investment opportunities in the segment of energy transition?
- How the world's energy structure is changing and how to apply other countries' experiences in the Russian energy transition?

Speakers

Ahmed Badr, Project Facilitation and Support Director, International Renewable Energy Agency (IRENA) **– participating via video conferencing**
Alexey Zhikharev, Director, Russia Renewable Energy Development Association; CEO, ENSOLVE
Vadim Zakrevsky, Director of the Energy Department, Eurasian Economic Commission (EEC)
Dmitry Semenov, Director of the Department of International Cooperation, Ministry of Energy of the Russian Federation

First Row Speaker
Daniil Krapivin, Director of Development and Projects, Global Energy Association

16:30 – 17:30. Award ceremony for the winners of the all-Russian competition for media, internet resources, and bloggers in the field of renewable energy sources and energy transition technologies "TextRES", the photo competition "RES in Focus 2024", as well as the competition for young scientists concerned about the future of the Earth "Renewable Energy of the Planet."

17:30 – 20:00. Cocktail