

INTERNATIONAL FORUM ON RENEWABLE ENERGY "ARWE" PROGRAMME

May 22-24, 2019, Ulyanovsk,

Programme accurate as at April 8, 2019

May 22 (Wednesday)

09.00 – 19.00

Exhibition

10.30 – 12.40

Plenary Hall

Prospects of Renewable Energy Sources in Russia

Plenary Session

The world is moving towards a growing use of green energy. By 2050 already, 50% of global energy demands are expected to be satisfied with wind and solar generation. Russia can't stand apart from this process of global energy transfiguration driven by renewable energy sources. However, even on the level of program documents regulating Russian energy policy, a gap between goals and objectives of RES development can be observed. The progress of RES introduction in Russia should be not preserved only, but sped up as well.

The session is devoted to the future and the present of green energy, as well as measures of support for electricity generation through the use of renewable energy sources on the wholesale electricity and capacity market and prospects of RES support after 2024.

14.00 – 16.00

Plenary Hall

The Programme of Renewable Energy Equipment Localization in Russia: the Russian Context

Session on Localization

Co-organizers: Ministry of Industry and Trade of the Russian Federation, RAWI

RES development in Russia has been recently given an impetus necessary for its active growth. However, it has been accompanied by a stringent governmental requirement for localization of equipment used for construction and operation of power plants. The governmental requirement for localization is determined by a focus on large international industrial companies, whose entry into the Russian RES market will ensure transfer of technologies. In future, it will enable production of equipment for the new Russian energy industry to be localized with maximum involvement of domestic companies.

Localization incentives have already brought results. The largest Russian and international companies that have become leaders of the industry, including Rosatom, Enel Russia and the Wind Energy Development Fund established jointly by RUSNANO and Fortum, are planning to create three independent high technology industrial enterprises to produce wind turbine elements. Technologies will be transferred by world leading producers, including Vestas, SiemensGamesa and Lagerway. Enterprises producing indirect equipment for solar generation facilities construction are established and operate in field of solar energy.

The session is focused on main stages of the localization process for parts of wind turbine and solar power stations in Russia and support of best possible interaction between suppliers and key customers of the industry.

14.00 – 16.00

Conference hall

RES Investment Project Financing: Diversification of Tools

Panel discussion

Co-organizers: Russian renewable energy development Association (RREDA), VYGON Consulting

The session is devoted to the current financing programs of RES projects in Russia (special investment contracts, energy servicing, concessions, PPPs, green financing), the assessment of project risks of RES financing, the prospects of new RES project financing, as well as the experience of regions in fund-raising for implementation of distributed generation projects.

16.10 – 17.10

Lecture Hall
Exhibition Area

Insurance for RES projects

Seminar

Co-organizer: ALLIANZ

16.10 – 17.10

Plenary Hall

Ratification of the Paris Agreement in Russia: Potential Impact on RES Sector Development

Panel discussion

Co-organizers: Russian renewable energy development Association (RREDA), HSE

17.25 – 19.00
Пленарный зал Plenary Hall

Experience of Wind Farm Development and Construction
Construction Session
Co-organizer: RAWI

Participants of the session will discuss the first experience of wind park design and construction, regulatory hindrances and availability of qualified specialists, relevancy of the Russian practice and interaction with foreign consultants in the design process. The important place will be held by a discussion on qualification of Russian construction companies and opportunities of using local resources, both labor and material ones.

17.25 – 19.00
Lecture Hall
Exhibition Area

IDF Concessionary Debt Financing Programs
Seminar
Co-organizer: IDF

17.25 – 19.00
Conference hall

Efficiency of Solar Technologies: Insight of Foreign Vendors
Panel discussion

Co-organizer: Global Energy Association on the development of international researches and projects in the field of energy, Hevel Group

In the framework of the session, participants will discuss problems of solar generation and new global trends.

May 23 (Thursday)

08.30 – 18.00

Exhibition

09.00 – 10.30

Plenary Hall

**Green Energy Potential in the Framework of Regional Policy.
Why is the Retail Market not Performing in this Area?**
Plenary Session

The session is devoted to the mechanism of promoting use of RES on the wholesale and retail electricity markets, to the legislation supporting RES on the retail market, as well as to the basic principles of integration of RES facilities into the electricity development plan of the region.

11.30 – 13.00
Plenary Hall

Energy Storage Systems - another attempt?
Panel discussion

As researchers from Bloomberg NEF (BNEF) forecast, since the present day till 2040 more than 1 trillion USD will be invested in RES. It was mentioned in the latest issue of Long Energy Storage Outlook that the speed of the trend will be defined by lithium-ion power-pack production costs. Authors of the research expect the cost of storage devices to be reduced by 52% in the period from 2018 to 2030, which already advances the observed decline. In the short term, the market will be dominated by South Korea and USA, while China will become a driving force since 2020's. The opportunity to accumulate electrical energy on an industrial scale is beneficial for all market players: producers, suppliers, consumers and regulators. How is all the chain arranged and how does it work from the producer to the consumer? What are effects of energy accumulation?

11.30 – 13.00

Conference hall

Development of Heat Pump Technologies in Russia: Constraining and Motivating Factors
Panel discussion
Co-organizers: C.O.K. Journal

The session is devoted to development of the heat pump segment in Russia and support of producers, installers and consumers of heat pump equipment within construction of new energy efficient construction facilities.

14.00 – 16.00
Plenary Hall

Renewable Energy for Isolated and Arctic Territories
Panel discussion
Co-organizers: RAWI, Russian Association of Solar Energy Enterprises

The session is devoted to the prospects of RES development in remote communities. How can we achieve 100% renewable energy generation in small localities? What is the cost of power generation in the Arctic, the Subarctic and the Far North? The participants of the session will share their experience in wind energy projects in isolated areas.

16.00 – 16.30

Lecture Hall
Exhibition Area

Shell presentation

16.30 – 18.00

Lecture Hall
Exhibition Area

RES-based Microgeneration: Prospects of Green Energy

Panel discussion

Co-organizer: Analytical Center for the Government of the Russian Federation

The session is devoted to RES microgeneration, the legislation, the prospects and the context of microgeneration development in Russia with a regard to international experience. The participants of the session will discuss the level of development of small and medium-scale businesses in the area of production, supply and maintenance of RES-based microgeneration facilities, as well as the need to promote transition to autonomous energy supply.

****There may be changes made in the program***