DRAFT BUSINESS PROGRAM OF THE FIFTH INTERNATIONAL FORUM ON ENERGY-EFFICIENCY AND ENERGY-SAVING ENERGY DEVELOPMENT ENES 2016

Time	Events
	WEDNESDAY, 23 November
9:00-10:00	**Registration, gathering of guests**
10:00-11:15 **Amphitheater**	**Plenary session – Forum opening** **"Leader-cities joining forces and blazing the trail towards sustainable development and innovation"** According to World Bank statistics, 53% of the Earth's population already lives in urban centers, with 18% of those living in cities with a population of a million or more. In Russia, these statistics stand at 75% and 17%, respectively. Cities are undoubtedly the drivers of global economic growth; however, growing prosperity and climate changes are lending new urgency to the issues of energy-savings and sustainable development. What role do cities play on the global energy agenda, and can we count on their joint efforts in the area of energy-efficiency and the implementation of innovative technologies? How justified is the strategy for the gradual rollout of cutting-edge technologies in leader-cities with their subsequent nationwide expansion? What sustainable-development initiatives should be expected from Russian cities over the mid-term? **Moderator:** Yermolai Solzhenitsyn, Senior Partner, McKinsey&Company **Participants:** • Alexander Novak, RF Energy Minister • Peter Birukov, Deputy Mayor of Moscow (Russia) • Brendan Carr, Mayor of Dublin (Ireland) • Oleg Budargin, General Director, Rosseti PJSC • Oleg Belozerov, President and Chairman of the Board, RZD OJSC • Dietrich Muller, President, Siemens Russia
10:00-11:15 **Blue Hall**	**"Meeting Among the Chief Power Engineers of Heating Companies"** Against the backdrop of a booming urban population, growth in the municipal property fund is creating conditions for increased loads on urban infrastructure. Despite the fact the system for the centralized heating of Russian cities was shaped back in the Soviet era - one of the most efficient in the world, the modernization of heating-network assets is virtually bursting with energy-saving potential. In recent years, Russian cities have been pursuing widespread modernization and decommissioning technologically-outdated and outmoded equipment. A powerful solution for increasing the operating efficiency of municipal heating systems could involve weather-based regulation in the housing and budget sectors. The meeting will feature a review of the issues associated with increasing the energy-efficiency of heating- and water-supply systems. **Moderator:** Vasiliy Polivanov, General Director, NPP RosTeplo **Participants:** • Parviz Abdushukurov, Vice President and Deputy COO, Chief Engineer, Fortum JSC • Ilya Pulner, Deputy General Director and Chief Engineer, MOEK OJSC • Airat Sabirzanov, First Deputy Chairman of the General Direct - «Generation Company» JSC • Michael Shapiro, General Direct «Danfoss» LLC • Bitech Vyacheslav, Director of Commerce of PJSC "T" Plus • Oleg Jadnov, Chief Engineer «Nizhegorodteplogaz» LLC • Ivan Mikhailovsky, Chief Engineer of «Heat network of Mytishchi» JSC • Alexey Lizunov, First Deputy General Director for Technical Policy «TGC-14» • Sergey Koval, General Director of the Lipetsk City Energy Company • Maksim Petrov, General Director of the «Engineering networks of Ufa» MUE • Rustam Abdulhakov, General Director of «Kazenergo» JSC • Vyacheslav Boteikov, Commercial Director of T Plus Group
10:00-11:15 **Green Hall**	**Panel discussion** **"Reorganization of the ZIL Industrial Zone - a unique Moscow megaproject"**

	Over six million square meters of real estate are slated for development within the boundaries of the ZIL Industrial Zone. Not just residential properties, but social infrastructure as well. The first phases of construction have already been completed. A "Park of Legends" has been built in the abandoned industrial zone: an ice palace with three hockey arenas, plus plans for the construction of Europe's largest synchronized swimming center. The same district will be upgraded with a landscaped riverbank, bustling streets running along once-abandoned industrial buildings. And right across the street from some apartment buildings will be one of the most unique entertainment centers in the world - the DreamWorks Center. The entire concept as a whole has been dubbed the ZIL Peninsula. The project is expected to reach full completion by 2030. How has work been organized to ensure the reliable and qualitative power supply of Europe's largest project envisioning the reorganization of a former industrial zone? How will the historical development of the ZIL Industrial Zone be preserved while its renovation is undertaken? **Moderator:** Denis Stoyakin, Director KP "Moscow Energy Management" **Participants:** • Igor Belikov, Deputy Head of Service of perspective development and operational modes of "MOEK" PJSC • Sergey Linev, Deputy General Director - chief engineer of "Mosenergo" JSC • Irina Silaeva, Deputy General Director of "OEK" JSC • Valery Zabelin, Managing Director of "Group LSR" business unit in Moscow • Daniil Nikishin, Leading Architect of «Project Meganom»
10:00-11:15 **Red Hall**	**Panel discussion** **"Development of Regional IT Infrastructure as a Key Factor in Improving the Energy-Efficiency and Quality of Life of Small Population Centers"** Improving the quality of life, developing the social infrastructure of small population centers and boosting their energy-efficiency are impossible without a high degree of automation, robotization and computerization of such services as telemedicine, distance education, public e-services and unmanned transportation, and require the existence of quality communications and the use of high-tech equipment. According to the latest statistics, over 10 million Russian residents live in territorially-remote low-population centers. The issue of providing the inhabitants of such centers with modern social and information infrastructure is one of the priority tasks of regional development. What innovative solutions are being used in Russia and around the world? What is the action plan of state bodies at the federal level, RF constituent entities and telecommunications companies for bringing to life socially-important projects featuring the use of high-tech solutions? **Moderator:** Oleg Salmanov, Editor-in-Chief of Vedomosti newspaper **Participants:** • Georgi Tsikhiseli, Vice President, Rostelecom PJSC • Pavel Rastopshin, Executive Vice President of Sales and Operations, "MEYKOR" LLC • Igor Kozin, Deputy Chairman of the Orel region • Alexander Rogovoy, General Director of "RTComm.RU" JSC • Victor Pazdnikov, Minister of Territorial Development Government of of Transbaikalian edge
9:15-11:30 **Auction House**	**Russian-German Energy Forum at the meeting of the Russian-German Working Subgroup on Energy-Efficiency and Renewable Energy Sources** Russian-German cooperation in the area of energy-saving and energy-efficiency is actively developing and gaining speed with each passing year. The key topics of the Russian-German Energy Forum will be issues related to bilateral cooperation in the area of urban sustainable development, including improving energy-efficiency in buildings and using renewable energy sources. Within the framework of the forum, it is expected that the best urban practices and opportunities for the expansion of Russian-German cooperation will be presented, as well as joint projects. **Participants:** • Dmitri Zubov, Deputy Director of the Energy-Saving Department at the RF Energy Ministry • Ursula Borak, Head of the Department for International Energy Policy, FRG Ministry of the Economy and Energy • Kristina Haverkamp, Director, German Energy Agency (dena) • Ekaterina Galitsyna, Head of the KfW Banking Group Office in Russia, Chair of the Working Group on Energy-Saving and Energy-Efficiency in Industry, Energy, Housing and Public Utilities at the Russian-German Chamber of Foreign Trade • Oleg Polumordvinov, head of the Administration of the city of Astrakhan • Bernd Tischler, Mayor of the city of Bottrop (Germany) • Alexander Fadeev, specialist of Housing and Utilities Department at the RF Ministry of Construction and Housing and Communal Services • Andrey Savransky, Head of energy efficiency projects for Housing Reform Fund • Yuri Tarasenko, Head of Energy Efficiency in Buildings at Siemens • Michael Goetz, General Director of «NewHouse» Ltd • Irina Korolenko, Head of the Working Group "Business and banks" GIZ Russia • Yuri Manzhilevsky, Managing Director, SOWITEC LLC Russia • Nikolai Grachev, Vice-President, Executive Director of the cluster of energy efficient technologies cluster at "Skolkovo" Foundation

	• Yevgeny Kazakov, Head of GR Department at "Hevel"
11:15-12:00	**Break**
12:00-15:15 **Zone of rewarding**	**Presentation of Media FEC Awards** • Dmitry Peskov, Deputy Head of Administration of President - Press Secretary of President of Russian Federation • Alexander Novak, Minister of Energy of the Russian Federation
12:00-15:45 **Blue Hall**	**Session (Only by the RF Energy Ministry invitation)** **Official Mayors' Meeting (summit) and declaration signing** **The agenda of the meeting the possibility of cities, as the locomotives of introducing innovative energy-efficient technologies, new initiatives and plans, questions of the organization exchange of experience in the field implementation of energy efficient heating technologies, technology of heat supply, construction of houses with high standards of energy saving, introduction of architectural and artistic lighting and LED lighting, the issue of providing of hot water to the population without turning off during the summer season, realization of ideas on a wide application of renewable energy sources in the urban environment and development of environmentally friendly transport, smart urban services.** **Moderator:** Anton Inyutsyn, Deputy Minister of RF Energy Ministry, head of the organizing committee of the forum ENES-2016 **Participants:** • Ilsur Metshin, Mayor of Kazan • George Patulis, President of the Central Union of Greek Municipalities, Mayor of Maroussi (Greece) • Rammohan Bonte, Mayor of Hyderabad (India) • Sir David King, the UK's Special Representative Minister of Foreign Affairs on Climate Affairs • Oleg Polumordvinov, head of the Administration of the city of Astrakhan • Bernd Tischler, Mayor of the city of Bottrop (Germany) • Taher Diab, Senior Director of Strategy and Planning, Dubai Supreme Council of Energy (Dubai) • Erkinbek Isakov, Vice Mayor Bishkek (Kyrgyzstan) • Tony Lloyd, Mayor of Greater Manchester (England) • Oleg Ganeev, Senior Vice President of "Sberbank of Russia" PJSC • Shirin Rëverz, general manager of the international organization Carbon Disclosure Project (CDP) • Brendan Carr, Mayor of Dublin (Ireland) • Nail Magdeyev, Mayor of Naberezhnye Chelny • Ricardo Malagoli, deputy mayor of the city of Bologna (Italy) • Massimiliano Franconia, Head of department at Enel S.p.A. (Italy) • Tisetso Nketle, Deputy Mayor of Ekurhuleni Metropolitan Municipality (South Africa) • Faidy Jimmy Eman, Mayor of the city of Tomohon (Indonesia) • Zhegvari Peter, Senior Advisor to the Mayor of Budapest (Hungary) • Heiko Rosenthal, deputy mayor of the city of Leipzig (Germany) • Vadim Shuvalov, Head of the city of Surgut • Renata Lenartova, Deputy Mayor of Kosice (Slovakia) • Brian Mozervey, Head of the IEA's Energy Efficiency Division (France) • Peter Todeschini, Deputy Mayor of the city of Kiel (Germany)
11:15-13:15 **Strategic Partner Hall**	**Round Table** **«Interaction of PJSC "Gazprom" with the consumers of natural gas and executive bodies of Russian Federation in the field of strengthening of payment discipline, gasification and energy efficiency program of activities»** **Moderator:** Konstantin Markov, Member of the board, Head of the department of PJSC "Gazprom" **Participants:** • Valery Golubev, Deputy Chairman of the Board of PJSC "Gazprom" • Nikolay Isakov, Deputy General Director of LLC "Gazprom mezhregiongaz" to work with authorities and regions • Anatoly Erkulov, Deputy General Director of LLC "Gazprom mezhregiongaz" on capital construction and investments • Sergey Vlasitch, Deputy General Director of LLC "Gazprom mezhregiongaz" on transportation of gas • Kirill Molodtsov, Deputy Minister of Energy of the Russian Federation • General Managers of gas distribution companies • Heads of the regional headquarters to ensure the security of power supply • Heads of generation and heat supply organizations

12.00-13.15 **Green Hall**	**Panel discussion** **"International Projections of Power-Industry Development: Scientifically-Sound Estimates or Pre-Programmed Scenarios?"** As economic globalization continues to gather steam, forecasts by international organizations and experts in the area of energy development and improved energy-efficiency are having an increasingly-pronounced impact on world markets for energy commodities, sector-specific equipment and related services. How are these forecasts shaped - and who's responsible for verifying them? Do indices of professional-community confidence reflect the actual state of affairs? Do such forecasts contain scientifically-sound estimates - or scenarios whose realization is backed by various stakeholders? What can scientists and experts do to improve the quality - and independence - of forecasts? **Moderator:** • Anatoly Yanovsky, RF Deputy Energy Minister **Participants:** • Rodney John Allam, Winner of the Global Energy Prize, Nobel Prize Laureate (Breat Britain) • Igor Ignatiev, Deputy Director of Shell Russia, Vice President for Relations with State Structures, Shell Russia • Alexander Idrisov, President, Strategy Partners Group • Denis Demin, Head of the Department of Strategic Analysis of PJSC "Gazprom Neft" • Vladimir Feygin, President of the Institute of Energy and Finance • George Nozadze, Director of business development strategies of PJSC "NOVATEK" • Sergey Petrov, Director of Strategic Management of the State Corporation "Rosatom" • Grigory Vygon, Managing Director "Vygon consulting"
12:00-13:15 **Red Hall**	**Panel discussion** **"Energy-Efficiency 2.0. Reboot"** December 2015 saw the adoption of the Paris Agreement (PA), aimed at achieving a dramatic reduction in global emissions of greenhouse gases and the formulation of national strategies for low-carbon development. The Russian Federation, as a signatory to the United Nations Framework Convention on Climate Change (UNFCCC), signed the PA on 22 April 2016 among the 175 total member nations of the UNFCCC. The PA has now been ratified by 75 UNFCCC signatories, who together account for more than 55% of total global greenhouse-gas emissions, and is slated to enter into force on 4 November 2016. Russia has not ratified the PA and remains an observer of the Agreement. External factors, combined with the mandate to fulfill RF Presidential Decree № 889 dated 4 June 2008 on reducing the energy intensity of Russian GDP by 40% by 2020 compared to indicators for 2007, have had an impact on the Russian Government's reconsideration of current state policy in the area of improving the energy-efficiency of the national economy. The RF Government's analysis resulted in the issuance of a series of corresponding instructions aimed at "rebooting" state policy in the area of improving energy-efficiency, which is expected to identify the most productive thrusts of activity from the standpoint of reducing energy intensity and cutting back on greenhouse-gas emissions, as well as the mechanisms for their implementation. Where to start? What mechanisms should be established for implementation of the updated state policy? What are the barriers to implementation of the policy for improving energy-efficiency? Which mechanisms for stimulating improvements in energy-efficiency should be used (using the example of the "carrot-and-stick" method)? What technologies already exist for expanding on the experience of successful projects in the area of improving energy-efficiency? **Moderator:** Elena Nikolaeva, the representative of the Commissioner for the Protection of the Rights of Entrepreneurs under the President of the Russian Federation in the field of Construction and Housing **Participants:** • Nikolai Podguzov, Deputy RF Minister of Economic Development • Alexei Sergeev, Deputy Minister of the Republic of Tatarstan • Evgeny Nikora, Deputy Governor of the Murmansk region • Maxim Balashov, Head of Natural Monopolies RUSAL Global • Irina Bulgakov, Vice President of Russian capital Bank • Maxim Ageev, irektor for services in the field of energy management Schneider Electric in Russia and CIS • Erns Peter Fischer, the Commissioner on policy issues in the field of energy and climate, as well as export control of the Federal Ministry of Foreign Affairs, Germany
12:00-13:15 **Auction House**	**Panel discussion** **"Import-Substitution. Support Instruments in Place. Is Business Utilizing What It Has, Or Are Additional Resources Required?"** Over the past two years, the Russian Federation Government has significantly expanded its list of state-support instruments for import-substitution projects in the machine-building industry for the Russian fuel-and-energy complex. The industrial development fund, special investment contracts, and subsidized interest rates – all of these instruments are designed to stimulate investment activity in the mid-sized business segment. But are these instruments enough? What more could bodies of state power do? In what way could FEC companies help further the state's import-substitution policy?

	Moderator: Vladimir Samohvalov, SBC partner **Participants:** • Alexander Gladkov, Director of the Department of Oil and Gas, Ministry of Energy of Russia • Mikhail Smirnov, General Director and Chairman of the Board, OMZ PJSC; • Pyotr Sinyutin, General Director, MOESK PJSC; • Alexis Conan, General Director, Legrand Group in Russia and the CIS. • Edward Hasanov, Board of Directors Chairman «SRDI NG» PETON» • Sergey Arkhipov, Head of the Department of technology partnerships and import substitution JSC "Gazprom Neft" • Sergey Morozov, Governor of Ulyanovsk Region
13:15-14:00	**Break**
14:00-15:15 **Strategic Partner Hall**	**Round Table** **«Security of in-house gas equipment»** **Moderator:** Sergey Martinenko, journalist **Participants:** • Hasan Gasangadzhiev, General Director JSC «MOSGAZ» • Alexander Votchaev, Head of the Interregional technological management of the Federal Environmental, Technological and Nuclear Supervision • Peter Birukov, Deputy Mayor of Moscow (Russia) • Alexander Zhilko, First Deputy General Director of GPO "Beltopgas" • Yury Nazaryan, Head of Division on operation and service GR networks and intra-house Systems of gas consumption of JSC "Gazprom Armenia" • Alexander Shevchenko, Head of management of exploitation of gas distribution systems LLC "Gazprom mezhregiongaz" • Dmitry Golubkov, General Director of SUE "MOSOBLGAZ" • Arman Nalbandyan, General Director of "AEG SERVICE" • Ilya Denisov, Chief of EMERCOM of Russia in Moscow, Major General Internal Service • Nikolay Revin, Deputy Head of Moscow Housing Inspectorate
14.00-15.15 **Green Hall**	**Presentation** **“Energy-Efficient and Environmentally-Friendly Transport Systems for Megapolises”** Today, roughly 30% of the total Russian population lives in the 15 largest million-strong cities and another 22 amalgamated urban centers. The development of transport and transportation systems is a critical task of sustainable urban development. For the inhabitants of megacities, issues not just of convenient commuting in the urban environment - but also of environmental safety - are becoming increasingly relevant. Automotive transport in big cities is the source of the atmospheric emission of up to 70% of the total volume of harmful emissions and creates the primary load on urban transportation systems. What can today’s municipal authorities offer the residents of megacities by way of an alternative to traditional modes of transport? Which types of energy-efficient and environmentally-friendly transport should be developed, and what kind of infrastructure would this entail? What changes are needed to the regulatory framework to implement cutting-edge technologies for the development of urban transportation systems? Which initiatives by Russian leader-cities will make it possible, over the mid-term, to accelerate the expansion of energy-efficient and environmentally-friendly transport in Russia? **Moderator:** Nikolay Grachev, Vice-President, Executive Director of the cluster of energy efficient technologies, Skolkovo Foundation **Participants:** • Nikolay Asaul, Deputy Minister of Transport of the Russian Federation • Alexander Morozov, Deputy Minister industry and Trade of Russian Federation • Akira Ivata, Head the branch of JSC «Nomura research Institute, LTD» • Pascal Terrien, Director of the Program smart city of EDF • Stanislav Groshov, General Director of LLC "Karshering Russo" • Dmitry Pronin, Deputy Head at Department of Transportation and Development of road transport infrastructure in Moscow
14:00-15:15 **Red Hall**	**Panel discussion** **“Autonomous hybrid power-suppy systems for low-population and remote settlements”** One of the key tasks of state policy in the area of power grids is providing the population with a reliable and qualitative power supply over the long-term. The Law on Electric Power establishes requirements governing the connection of all residents to the power grids. According to statistics, Russia has about 120,000 low-population settlements with a population of 200 people or less. That said, these types of settlements aren’t just found in remote areas of the Urals, Siberia and the Far East. Villages with a population of no more than 50 inhabitants are also found in Central Russia. These population centers

	are supported by the required critical infrastructure - including power grids, which is certainly necessary but requires massive expenditures for its creation and maintenance. Moreover, due to the small volume of power consumption in settlements like these, the grids supplying them accumulate big energy losses, which creates a significant drag on the indicators of local power-grid companies and ultimately results in an increase in power rates being passed onto consumers. In this connection, the following questions have come to the fore in terms of shaping new approaches to the energy supply of such population centers: In view of Russian specifics, could a combination of renewable energy sources - storage units (accumulators) and a diesel generator forming a single power-supply system - be a cost-effective alternative to the existing energy-supply model for remote and isolated low-intensity consumers? Do such domestic advancements and technologies exist that would be capable of ensuring the stable and reliable power supply of low-population settlements? What kind of fine-tuning of the regulatory framework is needed - at both the federal and regional levels - to allow for the development of local generation on the basis of hybrid energy systems? Which best practices and international experiences in the energy supply of low-population settlements are applicable to Russia? **Moderator:** George Kekelidze, Chairman of the Management Board, NPP Eurosolar Russia **Participants:** • Alexei Kaplun, RAO Energy Systems of the East • Anton Usachev, Deputy Director General Group of Companies "Hevel" • Evgeny Nikora, Deputy Governor of the Murmansk region • Anis Jouini, Director of the French National Institute of Solar Power (INES) • Armand Martin, Founder, POWERBLOX (Switzerland) • Basenko Oleg, Head of the Department of technological development and innovation projects "Rossetti" • Marion Perren, Director of the division of power systems of the French National Institute of Solar Energy "INES" • Andreas Drayzibener, Representative of the University of Applied Sciences of Zurich, director of the Association "Solar Spar" • Klaus Thiessen (Klaus Thiessen) - The creator of Technopark Berlin-Adlershof, a board member of "EUROSOLAR Russia" Board • Nikolay Dyraev, First Deputy Minister of Housing and Energy of the Republic of Sakha (Yakutia) • Olga Novoselova, NA Coordinator "Distributed Energy"
14:00-15:15 **Auction House**	**Panel discussion** **"Technologies of the Industrial Internet As A Driver for Development of the Fuel-and-Energy Complex"** The fuel-and-energy complex is the locomotive of the Russian economy and the nation's undisputed leader in the implementation of high technologies. Increasingly-stringent requirements mandating the reliability and safety of FEC facilities, the industry is distinct in terms of its elevated level of automation. Corporate leaders are actively integrating advanced solutions for the automation of technological and production processes. The newly-emerging paradigm of the Industrial Internet of Things (IIOT), based on the existing technological foundation and involving greater integration and closer communication among various technological elements on a single platform, is intended to elevate the degree of production automation and intellectualization to a qualitatively-new level. What new opportunities are associated with the launch of Industrial-Internet technologies in the energy sector? How to respond to the unavoidable technological risks, threats and other cyber-security concerns entailed in the implementation of new technologies? **Moderator:** Vitaly Nedelsky, President, National Association of Industrial-Internet Market Players (NAPI) **Participants:** • Evgeny Grabchak, Director of the Department for Operational Control and Management in the Electric Power Industry • Vladimir Shchukin, Director for Industrial Internet • Matvey Voytov, Head of Division of Product Marketing of the Department of protection of critical infrastructure, Kaspersky Lab • Roman Shulginov, Director of the Department on Development of corporate and technology automated control systems • Artem Markelov, The director of project "Prana" • Armen Badalov, Vice-President for Strategy and development of business Schneider Electric in Russia and CIS • Andriy Teteruk Rostislav, Head of Service Management Engineering "Siemens Gas Turbine Technologies"
15:15-15:45	**Break**
15.00-15.45 **Plenary Hall**	**Continuation Presentation of Media FEC awards**

15:45-17:00 **Amphitheater**	**Summit of Global Energy Prize Winners** **Participants:** • Vladimir Fortov (Russia), President of the Russian Academy of Sciences, Academician of the Russian Academy of Sciences, the Global Energy Prize Laureate 2013. • Rodney John Allam (UK), Technical Director of NET POWER LLC, the Global Energy Prize Laureate 2012. • William Il Byun (Singapore), Managing Director of ASIA RENEWABLES, member of the Global Energy Prize International Award Committee. • Alexey Kontorovich (Russia), Scientific Director of the Institute of Petroleum Geology and Geophysics Siberian Branch of the Russian Academy of Sciences, Academician, the Global Energy Prize Laureate 2009. • Nikolay Kudryavtsev (Russia), MIPT Rector, Corresponding Member of the Russian Academy of Sciences, member of the Global Energy Prize International Award Committee. • Valentin Parmon (Russia), Scientific Director of the Catalysis Institute of SB RAS, Academician, the Global Energy Prize Laureate 2016 • Klaus Riedle (Germany), board member of VDI-GEU, the Global Energy Prize Laureate 2005. • Thorstein Ingi Sigfusson (Iceland), Director General of the Iceland Innovation Center, the Global Energy Prize Laureate 2007 • Rae Kwon Chung, Advisor to the Chair of HELP (High-level Expert and Leaders Panel) on Water and Disaster for the Secretary-general of the UN and former Principal Advisor on Climate Change to the Secretary-general of the UN, Global Energy Prize International Award Committee member, Nobel Peace Prize Laureate 2007.
15:45-17:00 **Strategic Partner Hall**	**Session** **“From Innovative Technologies to Development Strategies for Low-Population and Remote Settlements”** There are more than 120,000 population centers in the Russian Federation with a population of 200 residents or less. Providing this category of citizens with quality educational, healthcare, telecommunications, energy, postal, banking and other infrastructure is one of the top-priority tasks of the Russian Federation Government. The solution to this problem serves the interests of over 10 million people in our country, and in terms of its sheer scope has the potential to emerge as a high-priority national project. As of today, there are a number of innovative technologies in such areas as telemedicine, distance education, alternative modes of transport, autonomous energy supply, postal and banking services featuring advanced IT solutions which, within the scope of implementation of a comprehensive approach at the interdepartmental level, could make it possible to successfully address this task. **Moderator:** Vladimir Samohvalov, SBS partner **Participants:** • Anton Inyutsyn, RF Deputy Energy Minister • Natalya Khorova, RF Deputy Minister of Healthcare • Sergey Kravtsov, Head of Rosobrnadzor • Dmitry Alkhazov, RF Deputy Minister of Communications and Mass Media • Artemy Prokopenko, First Vice-President of PJSC "Rostelecom" • Dmitri Strashnov, General Director, FSUE Russian Post • Andrey Nikitin, Director General of ANO "Agency for Strategic Initiatives" • Svetlana Orlova, Governor of the Vladimir region • Sergei Gorkov, Chairman of the State Corporation "Russian Vnesheconombank" • Oleg Isaev, General Director of PJSC "IDGC of Center", PJSC "IDGC of Center and Volga Region" • Ivan Kolomoets, General Director of "Uchi.ru" • Dmitry Rudenko, Chairman and CEO of Post Bank • Ildar Khalikov, Prime Minister of the Republic of Tatarstan
15:45-17:00 **Green Hall**	**Session** **“Qualitatively-New Lighting – Best Investment of the Quality of Life in Cities”** The shift towards energy-efficient lighting in many Russian and foreign cities has made it possible not only to reduce energy-resource consumption, but also to increase safety and create a qualitatively-new lighting environment on the city streets that’s attractive to urban residents. The significant social effect and relatively modest cost of capital expenditures makes investing in the modernization of lighting systems one of the most attractive directions for the development of public utilities and the budgetary sector. Which initiatives are leader-cities ready to put forward in the area of the modernization of urban-lighting systems? What result will be achieved within the scope of international cooperation among Russian and foreign cities in the area of energy-efficient lighting? Who are the key allies of cities in the implementation of such initiatives? **Moderator:** Vladimir Gabrielyan, President, Lighting Business Consulting **Participants:** • Sergey Ivanov, Head of Lipetsk • Erkinbek Isakov, Vice-Mayor of Bishkek

	• Andrey Shokhin, Head of the Vladimir Municipal Administration • Elena Mikhailova, Department Head, Russian Public Opinion Research Center • Mark Batton-Page, General Director, Lighting Urban Community International (LICI) • Tatiana Vitusheva, Head of the State administrative and technical supervision of the Moscow region • Emmanuel Forest, General Director Bouygues Europe (France) • Deepak Loomba, Executive Director DeCore TransTechnologies Pvt (India)
15:45-17:00 **Auction House**	**Session** **"Energy-Efficiency and Comfort - Potential of Urban Heating Systems"** At present, a full 75% of the Russian population lives in cities. Ensuring the reliable and qualitative heating supply of Russian cities, most of which face harsh climatic conditions during the winter season, is a strategically-important responsibility of the state. Against the backdrop of a rapidly-growing urban population, municipal systems for centralized heating and hot-water supply are facing greater consumer expectations in terms of providing for energy-efficiency and comfort. The system for supplying cities with heat and hot water, originally established back in the Soviet era, holds tremendous potential for energy-efficiency improvements. The integration of modern energy-efficient technologies, which have proven their effectiveness, must become today's standard for leader-cities whose experience will make it possible to accelerate the spread of such positive practices and facilitate the sustainable growth of Russian cities. What would be the impact on municipal heating systems and heating consumers of the integration of weather-based regulation equipment in the housing and budgetary sectors? Which of today's technical solutions are capable of supporting the uninterrupted supply of hot water to the residents of urban apartment buildings during the regularly-scheduled maintenance of centralized heating systems? How can comfort be provided to the inhabitants of Russian cities under the supply of heating and hot water? **Moderator:** Elena Kiseleva, Partner Strategy Partners Group **Participants:** • Sergey Esyakov, The first deputy chairman of the Energy Committee of the State Duma of the Federal Assembly of the Russian Federation • Vsevolod Pleshivtsev, First Deputy Head of the Fuel and Energy Department of Moscow • Vasiliy Polivanov, General Director, NPP RosTeplo • Evgeny Khachaturov, member of the Public Council under the vice-governor of St. Petersburg • Christina Haverkamp, General Director on International Cooperation of the German Energy Agency • Pavel Zhuravlev, Deputy General Director on the work at state authorities LLC "Danfoss" • Andrey Likhachev, Expert of open Government, chairman of the supervisory board of RAESCO
THURSDAY, 24 November	
9:00-10:00	**Registration, gathering of guests**
10:00-11:15 **Amphitheater**	**Plenary Session - Opening** **"Energy-Efficiency and Development of the Russian Power Industry: Challenges and Responses"** Today, issues of improving the energy-efficiency of the economy and developing the domestic power industry are playing an increasingly-important role in boosting Russian competitiveness. In addition to technological, macroeconomic and social challenges, the expectations and qualifications of citizens as consumers of FEC services are also on the upswing. Which initiatives put forward by the budgetary sector, business and the research field could emerge as responses to these challenges in 2018-2025? How could the application of innovative technologies impact improvements to the quality of life and a simultaneous reduction in the energy-intensity of the economy? How prepared is the system for managing national improvements in energy-efficiency for an economic recovery and increasing investment volumes? **Moderator:** Alex Bobrowski, Head of Service of economic programs, the TV channel "Russia 24" **Participants:** • Alexander Novak, RF Energy Minister • Anton Ustinov, President, SOGAZ PJSC • Andrey Murov, Chairman of the Board of PJSC "FGC UES" • Rae Kwon Chung, Advisor to the Chairman of the Group of Leaders and Top-Tier Experts at the Office of the UN Secretary General, Member of the International Award Committee for the Global Energy Prize, Laureate of the 2007 Nobel Peace Prize (Republic of South Korea) • Sir David King, Special Envoy of the U.K. Foreign Office on Climate Change

10:00-11:15 **Blue Hall**	**Session** **«Session of the Permanent Expert Group on Energy-Efficiency at the International Association of Oil Transporters (IAOT)»** The International Association of Oil Transporters (hereinafter - "IAOT" or the "Association") was created for the purposes of coordinating the efforts of members in terms of the efficient development of their oil-transport systems and strengthening the stability of international oil transportation. Registered in Prague in 2013. Association members are the leading oil-pipeline operators in Eurasia: MERO CR JSC (Czech Republic), Transneft PJSC (Russian Federation), Transpetrol JSC (Slovakia), Gomeltransneft Druzhba OJSC (Belarus), MOL OJSC (Hungary), KazTransOil (Kazakhstan) and CNPC (People's Republic of China), with observer status assigned to the Caspian Pipeline Consortium (CPC-R, CPC-K). The Permanent Expert Group on Energy-Efficiency at the International Association of Oil Transporters was created by resolution of the 4th Meeting of the Assembly and Association Board in 2015. The mission behind the Group's creation is the exchange of experience in the area of energy-saving technologies and performance of benchmarking research on energy-efficiency, including the formulation of recommendations and resolutions aimed at reducing energy consumption in the oil-pipeline systems of IAOT members.
10:00-11:15 **Strategic Partner Hall**	**Round Table** **«Energy-Efficient Technologies in Rail Transport»** **Moderator:** • Valentin Gapanovich, Senior Vice President, RZD PJSC Participants: • Lipsher Ërg, Director of the Department of Mobility in Russia. Ltd."Siemens" • Basil Hvalko, Head of Delegation of the Belarusian Railways in Russia (Belarus) • Evgeny Zavyalov, Deputy General Director of LLC "WUA Technology" • Valery Kiryakin, chief designer of JSC "VNIIZhT" • Basil Cheremisin, Director of the Research Institute for Energy Saving in railway transport • Artem Rybalko, Head of the Federal projects, Department of programs to stimulate demand of JSC "Rosnano" • Alexey Mikhailov, Head of of "Russian Phillips» • Dmitry Malikov, Lead engineer working with developers Ltd. "Danfoss" • Ishmael Petrov, a leading national expert on the UNIDO energy management systems • Vladimir Dudkin, Deputy Head of OAO "NIIAS" • Mikhail Andronov, President "Rusenergosbyt" LLC
10.00-11.15 **Green Hall**	**Panel discussion** **«Capital Energy Efficiency»** Over the past 2 years, thanks to the program overhaul, renovation took tens of thousands of homes, which improved the quality of life of hundreds of thousands of people throughout the Russian Federation. Improvement of the program is one of the priority directions of development of housing and communal services, so the Ministry of Construction of Russia are developed and implemented measures allowing to make capital repairs the most modern and efficient. All these provisions were the basis of the initiative of implementing measures to improve energy efficiency in the framework of the regional program overhaul of apartment buildings that can multiply to increase the efficiency of the renovation of the housing stock. Ministry of Construction of Russia has developed a draft decree of the Government to provide financial support for carrying out energy-efficient capital repairs. The integrated approach to the execution of works, regulatory framework, as well as co-financing instruments are economically and technically justified measures to modernize the house repaired, and thereby reduce the cost of citizens on public resources by reducing their consumption. How to increase the energy efficiency of the MCD? How much money can you save? What support measures offered by the state? How to encourage the owners to opt for energy efficient overhaul? **Moderator:** Vitaliy Kovalchuk, Referent of the Department of Industry and Infrastructure, Government Staff of RF **Participants:** • Andrey Tamantcev, Deputy Head of Department at RF Ministry of Construction and Housing and Communal Services • Dmitry Gurtov, Director of the Department of PJSC "Rostelecom" • Anna Mamonova, Executive Director AROKR • Artem Sedov, General Director of the "Big Three" • Yury Tabunschikov, President of NP "AVOK" • Evgeny Khachaturov, Member of the Public Council under the vice-governor of St. Petersburg to promote an authorized executive authorities of St. Petersburg in monitoring the implementation of its obligations housing and communal services organizations • Michael Shapiro, General Director of LLC "Danfoss" • Roman Nizhankovskii, Deputy Director of PJSC "T plus"
10:00-11:15 **Auction House**	**"Meeting Among the Chief Engineers of Grid Companies. Key Objectives: Equipment Reliability or Supply Stability?"**

	Indicators of the operating reliability of grid companies have traditionally been both the failure rate - characterizing the number of incidents and shutdowns of grid equipment, as well as comprehensive indicators of power-supply reliability - characterizing relative volumes of restrictions on services delivered to consumers. That said, shutdowns of equipment and transmission lines within power grids are determined within permissible limits by design reliability rates. Grid breakdowns have always been with us and forever shall be, but reducing the negative impact of technical failures on consumers and ensuring the ongoing operability of equipment is a function of the use of relay protections and automatics isolating damaged sections of the network and automatically restoring power service to consumers through the use of backup sources. What's more effective – maximizing the reliability of equipment operation irrespective of the extent of its influence on power supply to the end consumer, or concentrating on the integration of solutions that have a direct impact on the reliability of power supply and allowing for the satisfaction of standard reliability requirements in terms of consumer criticality, without attempting to avoid possible system failures? Is it possible to achieve both objectives at once, and what resources would this entail? **Participants:** • Dmitry Gvozdev, acting of chief engineer of PJSC "Rossetti" • Alexander Nazarov, Chief Engineer LLC "TransneftElektrosetServis" • Alexander Pilyugin, First Deputy General Director, Technical Director of MRSK Center PJSC • Edward Schornikov, Chief Engineer of Transenergo, JSC "Russian Railways"
10:00-11:15 **Red Hall**	**Panel discussion** **"Next Stage of Renewable Energy Development in Russia"** The first phase of development of renewable energy in Russia is now complete. The selection of projects for power supplies from renewable energy sources (RES) wound up successfully, and the first results have been achieved – renewable energy has been included in the country's Integrated Energy System. A full production cycle has been established for Solar, with the level of localization reaching 70% or more. The expansion of science-and-technology cooperation between the leading research centers in Russia and Europe has made it possible to create a top-notch Heterojunction KAI PECVD system with Smart Wire Connecting Technology backend, which has demand both in Russia and abroad. What's next - continuing efforts towards the comprehensive development of the RES sector, or concentrating on solar and wind power as the most successful examples? What place will RES occupy in Russia's energy balance after 2024? And what can be counted on in shaping Russia's energy strategy through 2035? Is the reorientation of the production capacities of Russian renewables towards the foreign markets the only opportunity for further development? **Moderator:** **George Kekelidze**, Chairman of the Board, Association for Renewable Energy "EUROSOLAR Russia" **Participants:** • Alexey Teksler, First Deputy Minister of Energy of the Russian Federation • Zhores Alferov, Nobel Prize winner, Vice-President of the Russian Academy of Sciences, deputy of the State Duma of the Russian Federation, President of Association for Renewable Energy "EUROSOLAR Russia" • Anis Jouini, Director of the French National Institute of Solar Energy (INES) • Alexei Kaplun, Deputy General Director for Strategy and Investments, RAO Energy Systems of the East • Igor Shakhray, Director General, Hevel LLC • Annegret Levac, Director «Meyer Burger AG» European divisions • Pierre Helg, Ambassador of Switzerland • Peter Pauli, CEO Meyer Burger AG • Pierre-Jean Ribeyron, CEA – INES • Laurent Pelissier, President of «ECM»
11:15-12:00	**Break**
12:00-13:15 **Strategic Partner Hall**	**Panel discussion** **"Modernization of Electric Power - Path Towards Improved Energy-Efficiency"** **Moderator:** Stepan Solzhenitsyn, partner, McKinsey & Co **Participants:** • Vyacheslav Kravchenko, RF Deputy Energy Minister • Alexander Chuvaev, Executive Vice-president of JSC "Fortum" • Denis Fedorov, General Director PJSC «Gazprom energy holding» • Stepan Solzhenitsyn, partner, McKinsey & Co • Fedor Opadchiy, Deputy Chairman of the Board of JSC "SO UES" • Alexandra Panina, Deputy Director for Marketing and Sales LLC "INTER RAO - Management of Power Generation" • Natalia Porohova, Director of group of research and forecasting ACRA (AO) • Dmitry Savelyev, Head of the Department at "MARSH - Insurance Brokers" CJSC • Fedor Veselov, Head of department of development and reform the electricity ERI RAS • Vasily Kiselyov, Director of the «Community energy consumers» Association

	• Andrey Zhukovsky, Energy Markets Director of "Yunipro" PJSC • Jaroslav Mandron, Director of the Department at RF Ministry of Economic Development • Leonid Neganov, Energy Minister of the Moscow region
12:00-13:15 **Green Hall**	**Panel discussion** **"Energy-Audit Reform: Cash Savings and Business-Process Integration of Energy-Resource Consumers"** Pursuant to RF Federal Law FZ-261, a large number of consumers were forced to undergo an energy audit as part of a mandatory energy investigation by 1 January 2012, and to repeat the audit once every five years thereafter. Analysis of the practice and results of the audit revealed its low level of effectiveness, on which basis the RF Energy Ministry prepared and is now in the process of implementing a concept for energy-audit reform. The first step towards reform was replacing the mandatory energy investigation with the submission of an energy declaration on the volume of energy-resource consumption for most budgetary institutions, and the involvement of the public in controlling the justification of budgetary spending on conducting the energy audit. In connection with the approaching deadline for the mandatory energy audit at many companies - major power consumers, the issue of planned changes to the energy-audit system is coming to the fore once again. In what way is the government planning to increase the effectiveness of the energy audit for large companies, and might this lead to an increase in the cost of conducting the audit? Is it possible to optimize the costs entailed in the energy audit without undermining its effectiveness? **Moderator:** Sergei Shapovalov, Editor-in-Chief, Energoaudit magazine **Participants:** • Anton Inyutsyn, RF Deputy Energy Minister • Alexander Trembitsky, Deputy Director of the RF Federal Service for Environmental, Technological and Nuclear Oversight • Andrey Loukashov, director of the Department of Energy, Housing and communal services and the regulation of tariffs of the Yaroslavl Region • Valentin Gapanovich, Senior Vice President - Chief Engineer RZD OJSC • Viktor Zubarev, Deputy of the State Duma of the Federal Assembly of the Russian Federation, member of the Committee on Energy • Pavel Revel-Muroz, Vice-President of PJSC "Transneft" • Yury Temnikov, energy auditors, audit and consulting company "EKFI • Philip Byushel, International Development Director, Dalkia • Andrey Likhachev, General Director of "Planet-ZIL"
14:00-15:15 **Red Hall**	**Panel discussion** **"Smart Power Industry of the Future - New Frontiers of Energy-Efficiency"** The transformations currently unfolding in global energy are already having a dramatic impact on the landscape of the power industry. Refinement of the technologies involved in the production and delivery of electric power are opening new opportunities for development - both in terms of traditional generation, as well as with respect to renewables. in addition to the main components of electric power - generation, transmission and consumption - a new element is emerging that is capable of transforming the system itself and turning electric power from a service into a good - the possibility of its storage. The launch of digital-substation smart grids, the emergence of active users – all of this taken together is allowing for the intellectualization of the energy system. Thanks to these processes, the overall energy-efficiency of the power system is increasing - as is the efficiency of its individual elements. One of the most important questions being asked today is "What measures need to be taken to join forces among all stakeholders (public and private sectors, scientific circles, the international community) to bring to life the idea of the "energy of the future" and achieve synergy?" **Moderator:** Grigory Vygon, Managing Director of the company Vygon Consulting **Participants:** • Alexey Teksler, First Deputy Minister of Energy of the Russian Federation • Vladimir Sofyin, director of technological development and innovation of PJSC "Rossetti" • Evgeny Kovnir, Deputy Director of the direction on STI ANO "Agency for Strategic Initiatives to promote new projects" • Laurent Berry, vice president of development and innovation in Europe, EDF Group • Irina Volkova, Deputy Dean of the Faculty of Business and Management of Higher School of Economics • Vasily Belov, Senior Vice President of Innovation Fund "Skolkovo" • Yury Udaltsov, Deputy Chairman of the UK "RUSNANO"

12.00-13.15 **Auction House**	**Panel discussion** **"Meeting Among IT Directors at FEC Companies"** **"Cooperation in the Creation and Development of a CAPCS Elemental Base in Conditions of Restricted Access to Technologies"** The fuel-and-energy complex, as a driver of the economy and technological progress, is generating tremendous demand for automation technologies aimed at improving the efficiency, reliability and manageability of technological processes. Depending on the industry and individual company, different approaches are being taken to solving the problem of the automation of technological processes: proprietary equipment is being developed and produced in-house, turnkey solutions are being purchased from domestic or foreign suppliers. Within the framework of this meeting, directors responsible for automation and computerization at FEC companies will discuss the current situation in terms of access to technologies and equipment for the automation of technological processes (CAPCS), as well as the outlook for the organization of closer cooperation among FEC companies for the purposes of sharing experience and formulating common approaches and standards in this area. **Moderator:** Timophey Horoshev, Director of the IT consulting in the Energy of the Department, ZAO "KPMG" **Participants:** • Dmitry Faustov, IT Director, FSK EES PJSC • Oleg Nazarov, Deputy Director General of PJSC "Gazprom-automation" • Maxim Maltsev, Deputy Director of Department on the systems of technological control of PJSC "RusHydro" • Oleg Shalnov, Director of Project Management Department, IT and integration of JSC «Concern Rosenergoatom» • Mikhail Korol'kov, Head of strategic development direction of IT PJSC "Gazprom Neft" • Evgeny Charkin, IT Director, RZD OJSC • Dmitry Altukhov, CIO "Inter RAO" PSC • Roman Shulgin, Director of Corporate Development and process automation "Rossetti" PJSC • Oleg Kapitulov, Director of Information Technology Department of "Transneft" PJSC • Oleg Shalnov, Director of Project Management and IT integration Department of «Concern Rosenergoatom» JSC
13:15-14:00	**Break**
14:00-16:00 **Amphitheater**	**All-Russian Meeting "On the Progress of Preparing Power Entities for the Fall-Winter Season 2016-2017"**
14:00-15:15 **Blue Hall**	**All-Russian Meeting on the Popularization of An Energy-Efficient Lifestyle and FEC Informational Transparency** Issues of the informational transparency of the FEC and popularization of the use of modern energy-saving technologies in all areas of the economy are assuming increasing relevance. The joint efforts of young people, responsible organizations, federal and regional agencies, leading companies, university administrations and the mass media resulted in the first-ever All-Russian Energy-Saving Festival #BrighterTogether, an idea first conceived of at the ENES 2015 Forum, with festival events being held around the country and attracting the attention of large swaths of the national population. The meeting is expected to tally the results of the respective activities by the regional authorities and concerned companies in 2016, identify the best examples for replication, and discuss the goals for 2017. Taking part in the meeting will be representatives from the RF Ministry of Energy, the RF Ministry of Education and Science, Russian Youth, the Russian Public Opinion Research Center, regional authorities, energy companies, public organizations and the mass media. **Participants:** • Anton Inyutsyn, RF Deputy Energy Minister • Alexey Palamarchuk, Acting Director of the RF Federal Agency for Youth Affairs • Valery Fedorov, General Director, Russian Public Opinion Research Center • Natalia Nikolaeva, Deputy General Director of "Medialogia" • Christina Titov, Director of the Moscow Fuel-and-Energy Department • Valery Presnyakov, Chief editor of "Energy and Industry" • Elena Fironova, Coordinator of the regional organizing committee of Festival "VmesteYarche" in the Belgorod region • Maxim Landa, Coordinator of the project "SO UPS Open Day" • Representatives of regional authorities, energy companies, public organizations and mass media
14:00-15:15 **Strategic Partner Hall**	**Round Table** **«Energy efficiency, energy conservation and renewable energy. Modern technologies and equipment in the energy development of the CIS member states»** **Moderator:** Evgeny Mishuk, Chairman of the Executive Committee of the CIS Electric Power Council **Participants:** • Vladimir Likhachev, k.t.e, Deputy Director for Research of the Institute of Energy Research Institute • Olga Prudnikova, Head of Production and Technical Department of "Belenergo" • Azamat Kenesbaev, the Department of energy management at the Directorate of mining and metals and power generation assets of JSC "Samruk-Kazyna" • Sergey Shimko, Expert of the Scientific Expert Board of the Federation Council of Russia, General Director of JSC "PF Company" SCAF " • Victor Rogotsky, Member of the Federation Council on economic policy

	• Leonid Roketskiy, President of the "National Union of Energy Efficiency" • Rashid Artikov, Deputy General Director of "Russian heat supply", Member of the Scientific - Expert Council of the Working Group of the Federation Council of the Russian Federation • He Yang, Director of International Cooperation of the Chinese National Energy Management (China) • Dmitry Smolin, Director of the on work with key regional clients of the company "Siemens" in Russia (Germany) • Emmanuel Forest, General Manager BOUYGUES EUROPE, President of the European Platform for Building Technologies (France) • Chris Szadzhiki, Director in ND Metering Solutions (UK) • Willy Bayen, Sales Manager in the countries of CIS of the company KARA Energy Sistem B.V. (Netherlands) • Valentina Kassymova, Deputy Director of the Energy Research Institute, Doctor of Economics, Professor (Kyrgyz Republic)
14:00-15:15 **Red Hall**	**Panel discussion** **"Sustainable Power Supply and Development of the Asia-Pacific Region – Opportunities for International Cooperation"** The development of energy is one of the most important aspects of development of the entire Asia-Pacific Region (APR). Energy is the foundation of economic growth and social prosperity, a key instrument for eradicating poverty in the region, but it is also one of the major factors driving climate change. Today, more than 400 million people in the APR have no access to electric power, and roughly 2 billion people in the region use solid fuel to prepare meals. The region also accounts for more than half of the world's total emissions of greenhouse gases. The progress achieved in ensuring sustainable energy supply, including measures to shift to renewable energy sources and boost efficiencies in the use of traditional types of fuel, is spread unevenly throughout the countries of the APR. What's needed are collective measures and the development of international cooperation to ensure that the successful results achieved in some regional countries can be replicated in others, and that joint transborder initiatives in the area of energy partnership are implemented. **Moderator:** Stepan Solzhenitsyn, partner, McKinsey & Co **Participants:** • Alexey Teksler, First Deputy Minister of Energy of the Russian Federation • Hongpeng Liu, director of the Department of Energy of Secretariat UNESCAP • Roman Berdnikov, Deputy Director of Rossetti PJSC • Leonid Grigoriev, Chief Advisor to the Head of the Analytical Center of the Russian Government • Anton Usachev, Head of PR department at "Hevel "
14.00-15.15 **Green Hall**	**Panel discussion** **Fostering international cooperation for enhanced energy efficiency - results of the partnership programme of the Russian Federation, the Global Environment Facility and the United National Development Programme** The following issues will be discussed during the panel discussion: • How is the cooperation of the Russian Federation, UNDP and GEF in the area of energy efficiency of buildings, lighting, household appliances and what are the prospects for the future? • What conclusions can be drawn based on the results of pilot projects for the introduction of energy saving technologies implemented in the regions of Russia to the GEF financial support? • How important aspects of energy management and automated monitoring systems to promote new technologies in buildings? • As a modern energy efficiency standards can transform the market of energy-saving technologies in Russia? • How important are the results of international cooperation in the establishment of a national system of testing laboratories for quality control and energy efficiency of lighting products and electrical equipment in Russia? **Moderator:** Alexander Averchenkov, UNDP international consultant to attract funding from the Global Environment Facility (GEF) and the Green Climate Fund (GCF); Executive Director, AvantGarde Energe (Bratislava) **Participants:** • Anton Inyutsyn, RF Deputy Energy Minister • Olivier Adam, Deputy Director of the UNDP Regional Bureau for Europe and CIS • John O'Brien, Regional Technical Advisor, UNDP Regional Bureau for Europe and CIS • Dmitry Melnikov, Deputy National Director of the RF Energy Ministry Project / UNDP-GEF project "Transforming the Market for Efficient Lighting" • Sergey Antipov, Project Manager of RF Science Ministry / UNDP-GEF "Standards and Labels for Promoting Energy Efficiency in the Russian Federation" • Anton Shalaev, Deputy Head Rosstandart • Vitaly Becker, UNDP-GEF Project Manager • Lydia Smolin, Deputy Governor of the Vladimir region • Alexander Kuznetsov, Deputy Governor of the Pskov region
15:45-18:00 **Green Hall**	**Panel discussion** **International climate finance instruments for energy efficiency and low-carbon development in Eastern Europe and Central Asia**

	The outcome of the climate change Paris Conference of 2015, was an agreement at the level of States for holding global temperature increase of 1.5 degrees Celsius. To date, 189 States have submitted national plans to reduce the condition of greenhouse gas emissions revise their commitments, taking into account technological developments every five years, starting in 2018. The city's infrastructure and energy efficiency are the priority directions of work to reduce the impacts of climate change in the region of Eastern Europe and Central Asia. These sectors have the potential to reduce greenhouse gas emissions to 30% of the possible total amount of emission reductions. Attracting private investment and co-financing on a grant basis with the participation of international financial institutions, will contribute to improving the quality of life and achieve states of voluntary goals to reduce greenhouse gas emissions. The following issues will be discussed during the panel discussion: • What the priorities in the sphere of energy saving and reduction of greenhouse gas emissions can be implemented in the countries of the region? • What are the expectations of investors, governments and recipients of investments for implementation of energy efficiency projects and sustainable urban development? • What is the role of state support in promoting energy efficiency and that can really make a government in the region? • What are the sources of international finance in the field of energy saving and reduction of greenhouse gas emissions of projects may be proposed in the future 2017 - 2019? • What are the mechanisms of financial support of the Global Environment Facility (GEF), the Green Climate Fund (the GCF) and the Trust Fund for Development at the UNDP Regional Centre for Europe and CIS countries (Istanbul) to stimulate investment in energy efficiency of cities? • What are pilot projects with the participation of international financing developed or may be developed at the city level in the region? • What are the barriers to the implementation of investment projects with participation of international finance? Переводчик Google для бизнеса –Инструменты переводчикаПереводчик сайтовСлужба "Анализ рынков" **Moderator:** Marina Ol'shanskaya, international consultant of UNDP to attract funding from the Global Environment Facility (GEF) and the Green Climate Fund (GCF), Executive Director, AvantGarde Energy (Bratislava) **Participants:** • Benoît Lebeau, Executive Director, Secretariat of the International Partnership on Energy Efficiency Cooperation (IPEEC), Head of the Energy Efficiency Working Group for the preparation of proposals for G20 • Alexander Averchenkov, Manager of the Trust Fund for Development, UNDP Regional Centre for Europe and CIS • Diana Harutyunyan, Coordinator of Climate Change Programme, UNDP Armenia • Sirim Nurgaliyev, UNDP Project Manager / GEF project "Promotion of energy-efficient lighting in Kazakhstan", UNDP Kazakhstan • Arnaudov Vladislav, International Project Manager, Deloitte Tohmatsu Financial Advisory (Tokyo) • Vitali Kretsky, head of the legal work and interaction with the media, the energy efficiency of the State Standardization Committee of Belarus Department • Alexander Averchenkov, manager of the Trust Fund for Development, UNDP Europe and CIS Regional Centre • Irina Bulgakov, Vice-president of the bank "Russian Capital", the director of the Russian Association of Energy Service Companies