





ABOUT THIS DOCUMENT

- The goal of this document is to describe significant changes which took place in energy efficiency space in Russia as well as current trends in Russian society and State policies aimed to increase sustainable use of energy resources. Moreover its purpose is to outline new investment opportunities in dynamically growing energy efficiency market place
- Document is targeting mostly foreign investors and leaders of global energy efficiency market who posses
 this unique opportunity to enter a new territory with large potential for investments into energy saving
 technologies and equipment
- Here we outline various direction for improvement of energy efficiency in Russian economy and give high level assessment of market potential. The focus of this document is on priority areas assessed based on the size of potential, the existing infrastructure and readiness of normative base for stimulating investments:
 - Energy savings in buildings
 - Decreasing losses of heat and energy
 - Improvement of energy efficiency of heat and electricity generation
- Moreover this document describes the results of recent reforms in Russian regulation to increase and stimulate energy efficiency and existing programs of various institutions and organizations aimed at supporting project in energy efficiency space.





EXECUTIVE SUMMARY

- Lengthy economic decline in the 1990s and insufficient investment in the early 2000s led to a deficit of investments in infrastructure and the energy industry. In recent years Russia has stepped up its investments, including investments in energy efficiency projects, but despite the robust growth, increase in investments and demographic recovery of recent years there is still a significant gap in energy efficiency between the Russian economy and those of major countries, which hampers Russia's competitiveness
- In 2008 energy efficiency was proclaimed a priority for the modernization of the Russian economy. Public policy in the area of energy savings is aimed at attracting investment and foreign experience into the sector. The state has taken a range of systemic measures to develop this sector
 - In 2009, the main law 261-FZ was enacted, creating a foundation for energy efficiency in Russia. Over 50 regulations were approved in record time to
 create a firm basis for the development of energy efficiency businesses (transition to meter-based payment for energy consumption, obligatory energy
 audits for public and regulated bodies, regional energy saving programs, creation of an energy services market, requirement with respect to energy
 efficiency class labeling and many other measures)
 - Under the State Energy Efficiency Program, approved in December 2010, RUB 5.2 bn per year were made available to co-finance regional energy efficiency projects, other supporting measures were enacted, the Russian Energy Agency was created
 - The Presidential Commission for Modernization ran pilot projects in 14 regions and 25 municipalities and published generic technical and organizational solutions; legislative barriers to developing energy savings in housing, public sector bodies, small-scale energy production and utilities infrastructure were removed
 - Development institutes have focused on energy efficiency. The Skolkovo innovation center has created an Energy Efficiency Cluster (over 120 projects related to energy savings), RUSNANO has invested over SD 1.5bn, banks such as Gazprombank, Vnesheconombank, VTB group banks have started offering specialized lending products for energy efficiency and created energy services subsidiaries
- The market niche for energy efficient technologies in Russia is only just taking shape. The investment potential of identified projects with a payback period of under 5 years exceeds USD 30bn. Most attractive areas for investors include improvement of energy efficiency of buildings and heating systems, new energy efficient consuming equipment installations and distributed power generation projects. Right now global leaders in energy efficiency have a unique opportunity to discover a new growing market with enormous potential





ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

O. The Russian macroeconomic environment

- **1** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- **4.** Public policy in energy efficiency
- **5.** Development institutes and their programs
- **6■** Backup

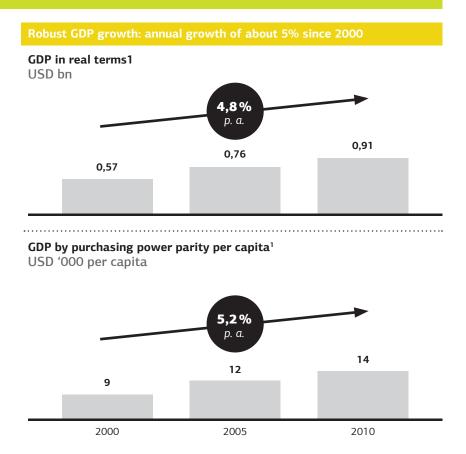




RUSSIA IS A RAPIDLY DEVELOPING COUNTRY WITH 7TH LARGEST ECONOMYIN THE WORLD

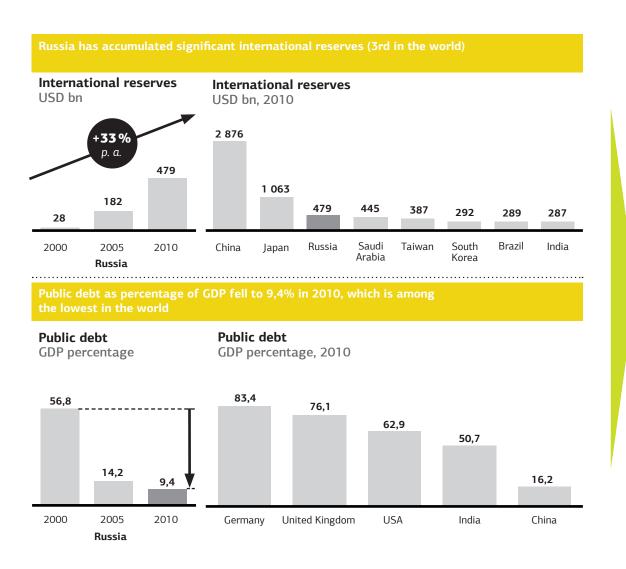
Russia is seventh in the world for GDP volume and growth remains rapid. Thus, between 2000 and 2010 average GDP growth amounted to 4.8% in real terms and to 5.2% by purchasing power parity. Thus, the Russian economy is attractive for investment due to a balanced combination of high growth rates and average per capita incomes that are sufficient to sustain one of the largest consumer markets in Europe

GDP by purchasing power parity USD bn, 2010 USA 14.527 10.243 China 10.243 Japan India 4,197 2,910 Germany United Kingdom 2,234 In 1997 Russia became a G8 member Russia 2,232 France 2,193 Brazil 2,179 1,907 Italy ¹ In 2005 prices

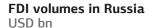


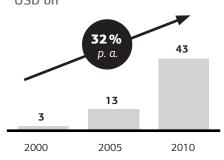


RUSSIA HAS GAINED SIGNIFICANT FINANCIAL STRENGTH SINCE 2000



Foreign direct investment (FDI has seen stable growth

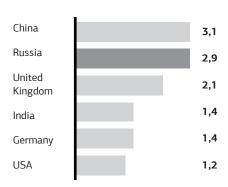




FDI accounts for a larger percentage of GDP than is the case for most large economies

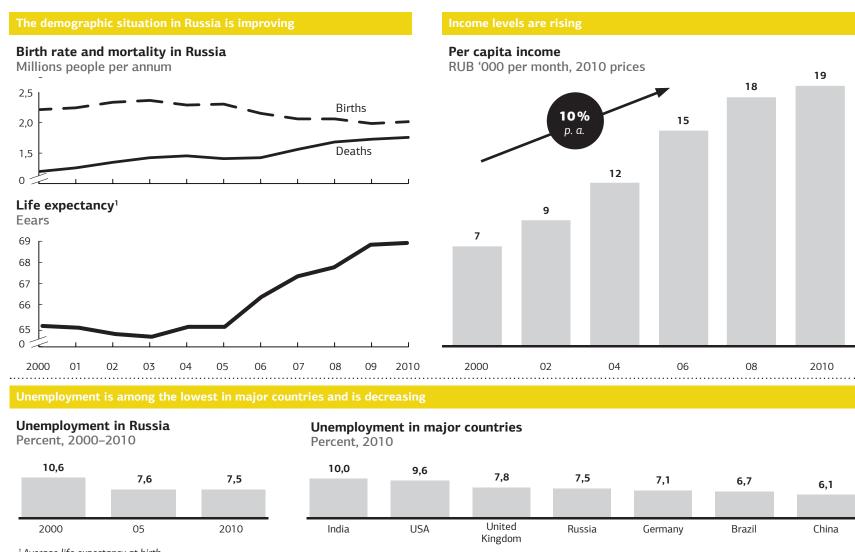
FDI in different countries

GDP percentage, 2010





THE SOCIO-ECONOMIC ENVIRONMENT IN RUSSIA IS IMPROVING



¹ Average life expectancy at birth



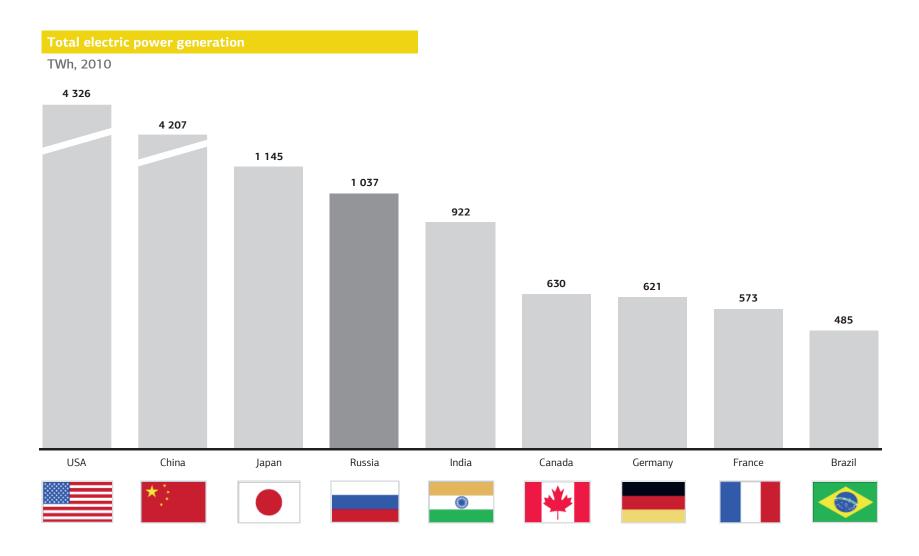
ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

- **O■** The Russian macroeconomic environment
- **1.** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- **4.** Public policy in energy efficiency
- **5.** Development institutes and their programs
- **6■** Backup



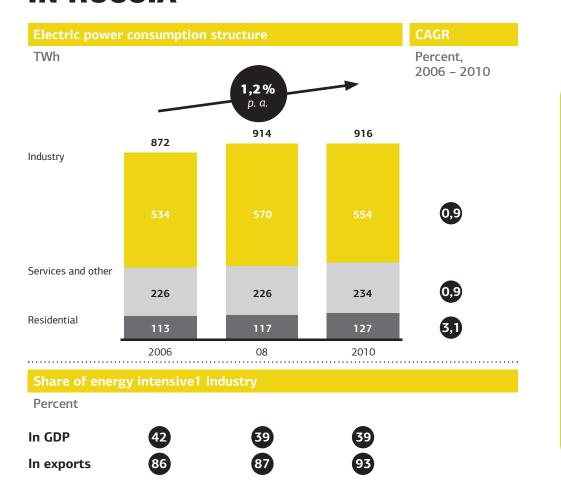


RUSSIA IS AMONG WORLD'S BIGGEST POWER MARKETS





THE STRUCTURE OF POWER CONSUMPTION AND INDUSTRIAL STRUCTURE MAKE ISSUES OF ENERGY EFFICIENCY INCREASINGLY RELEVANT IN RUSSIA



- Most of the power consumption in Russia is accounted for by industry (around 60% of consumption)
- The Russian economy is highly dependent on energy intensive sectors, since the share of energy intensive industry in GDP is around 40%, and energy intensive sectors account for over 90% of exports
- This is the reason why energy efficiency was chosen as a key area of modernization of the Russian economy

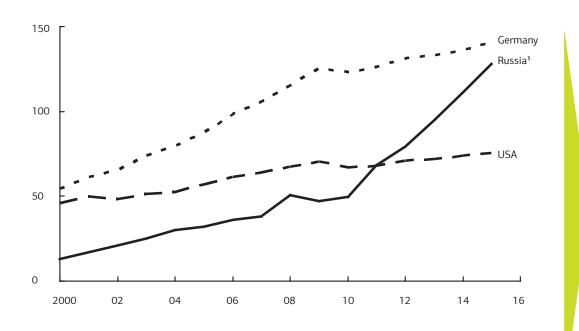
¹ Extraction and heavy industries



POWER IS NOT CHEAP ANY MORE: INDUSTRIAL CONSUMER PRICES EXAMPLE

Average price of power for industrial consumers

USD/MWh (nominal prices)



The myth of cheap Russian power is no more. In 2011 the price of power for industrial consumers reached parity with that in the USA. According to forecasts by the Russian Ministry of Economic Development2, already in 2015 the price of power for Russian industrial consumers can be over 1.5 times as high as in the USA3 and just 10% below the corresponding price in Germany

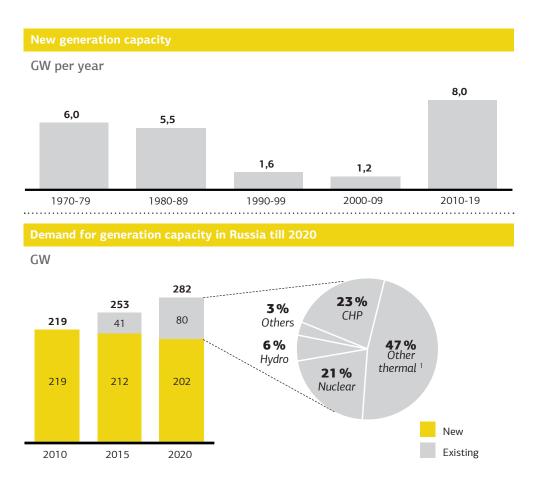
¹ Tariffs through 2011 are based on data from the Federal State Statistics Service; tariff forecasts are according to the Ministry of Economic Development

Assuming real growth of power prices by 50% between 2011 and 2020, 6.2% inflation and a decrease in the RUB/USD exchange rate from 28.8 to 26.9

³ Foreign tariff forecasts are according to Enerdata in the Recovery scenario



TO ENSURE ECONOMIC GROWTH, RUSSIA MUST BUILD NEW GENERATION FACILITIES AT A MUCH HIGHER PACE THAN IN THE LAST 20 YEARS

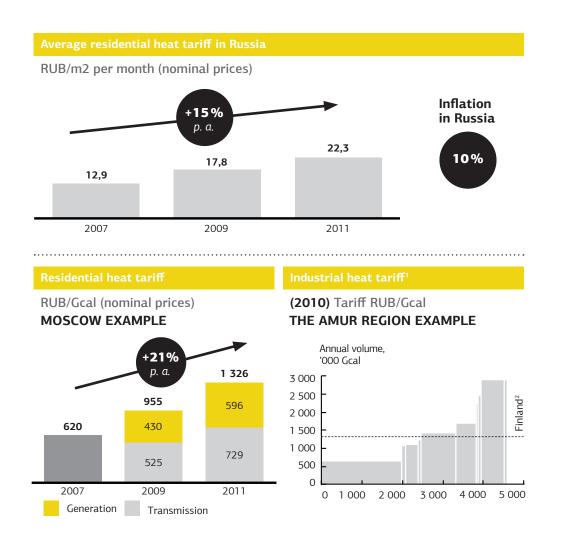


- In the past 20 years Russia has not invested enough into building new generation
- In the next ten years, Russia has to expand its generation capacity substantially (by more than a third of the capacity available today)
- A substantial portion of this capacity will be accounted for by gas and coal generation, which will create new possibilities for manufacturers of energy efficient equipment

¹ Not committed and not described in mandatory investment program during Power Sector reform in Russia in 2005-06



THE GROWTH OF HEAT TARIFFS IS FAR AHEAD OF INFLATION



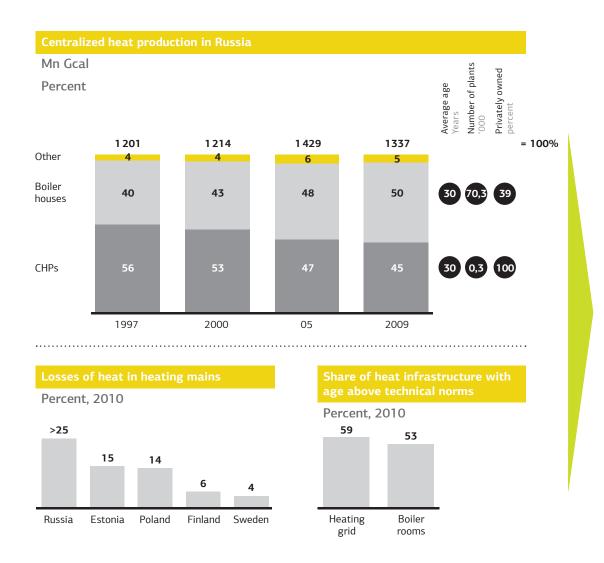
- The growth of average hear tariffs is ahead of inflation
- Transmission and distribution tariffs for heat account for a significant portion of the enduser tariff, which increases the importance of energy savings in obsolete heating mains
- The price of generated heat varies significantly even within a single region and often exceeds Western European tariffs
- For instance, in the Amur Region over 25% of all therma energy is sold at prices exceeding those in Finland

¹ Including all major producers of thermal energy which generate 54% of all heat in the Amur Region

² Assuming an equal split between generation and transmission tariffs for heat



ANOTHER PRIORITY IS INCREASING ENERGY EFFICIENCY IN HEAT GENERATION AND TRANSMISSION

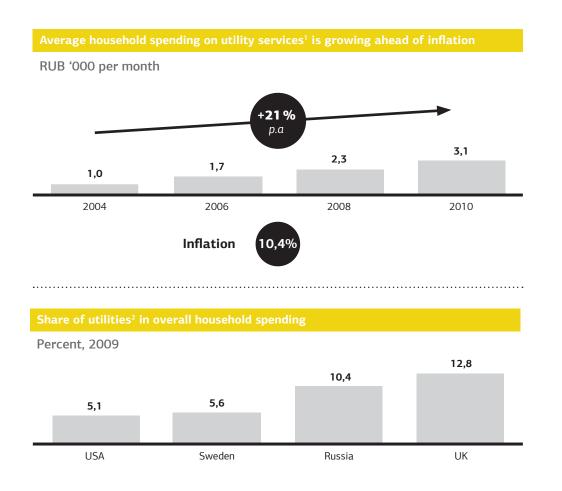


- The volume of heat generation by boiler houses outside the cogeneration cycle is growing, which is not efficient and opens up investment opportunities
- At the same time 60% of these facilities are publicly owned, which means they can be either bought or privatized with subsequent upgrades

 this creates a huge new segment in the market
- The current level of heat losses is five times as high as in Europe; a boom in investments into heat grid refurbishment is expected in the coming years



QUESTIONS OF ENERGY EFFICIENCY ARE BECOMING INCREASINGLY MORE RELEVANT FOR THE POPULATION



Questions of energy efficiency are becoming more relevant for the following reasons:

- Average spending on energy is growing ahead of inflation
- Utility services account for over 10% of total spending of the Russian population, which is twice as much as in the USA and only slightly less than in the UK

¹ per household

² Utilities include gas, power, other types of fuel for residential heating and cooking, and water supply



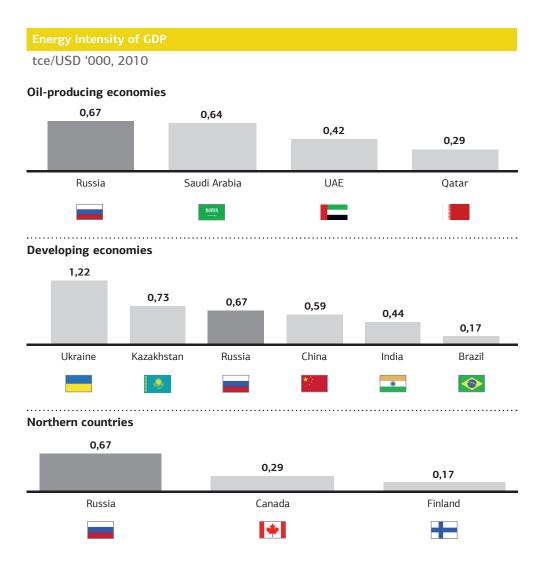
ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

- **O■** The Russian macroeconomic environment
- **1** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- **4.** Public policy in energy efficiency
- **5.** Development institutes and their programs
- **6■** Backup





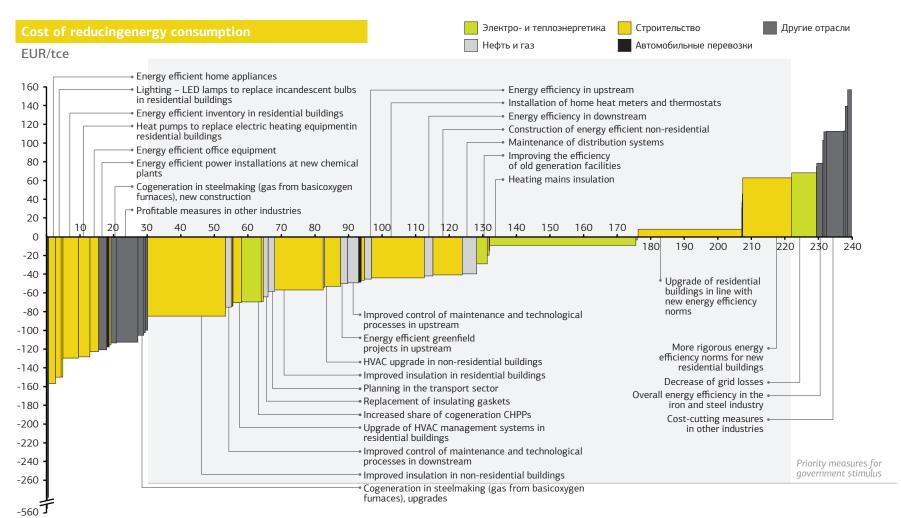
RUSSIA IS A "LEADER" IN TERMS OF ENERGY INTENSITY OF THE ECONOMY



Russia is a «leader» in energy intensity of the economy among BRIC countries, countries with cold climates and countries with a similar reliance on natural resource extraction



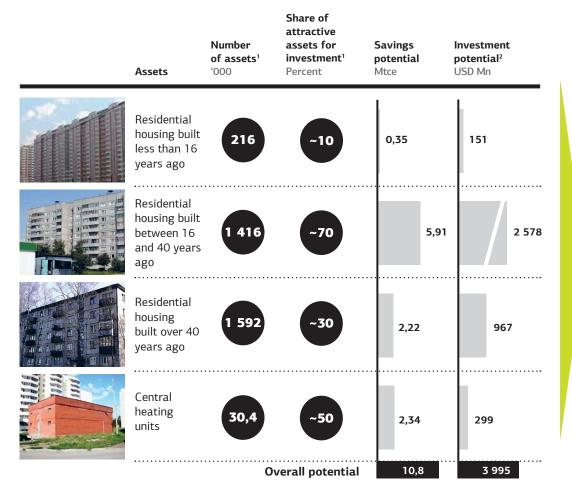
ENERGY EFFICIENCY CURVE, 2020



Savings of primary energyresources
Mtce



ESTIMATED SIZE OF INVESTMENT IN ENERGY EFFICIEN-CY MEASURES IN THE RUSSIAN RESIDENTIAL SECTOR WITH PAYBACK PERIOD OF 5 YEARS — ABOUT 4 BN USD



_ist of recommended measures for the residential sector and utilities

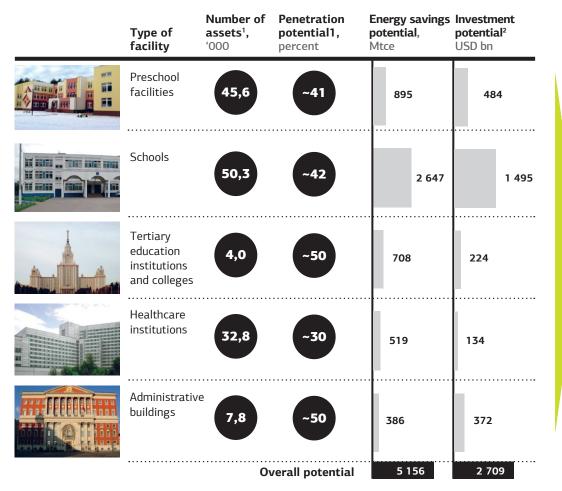
- Installation of heat-reflective screens in public spaces
- Replacement of incandescent light bulbs with compact fluorescent bulbs in public spaces
- Installation of heat metering and weather-based distribution units
- Installation of frequency regulation drives in utility systems
- The list is based on the assumption of fast payback of measures in 5 years, in the absence of this requirement the investment and energy savings potential is higher

¹ Assuming the implementation of measures with a payback period under five years trialed in pilot projects

² Assuming that all measure with payback less than 5 years are realized



ESTIMATED SIZE INVESTMENT IN ENERGY EFFICIENCY MEASURES IN THE RUSSIAN PUBLIC SECTOR WITH PAYBACK PERIOD LESS THAN 5 YEARS- MORE THAN 2.7 USD BN



List of recommended measures for the public sector

- Replacement of incandescent light bulbs with energy saving lamps
- Overhaul of outdoor lighting systems
- Installation of heat-reflective screens
- Replacement of outdoor lighting systems
- The list is based on the assumption of fast payback of measures in 5 years, in the absence of this requirement the investment and energy savings potential is higher

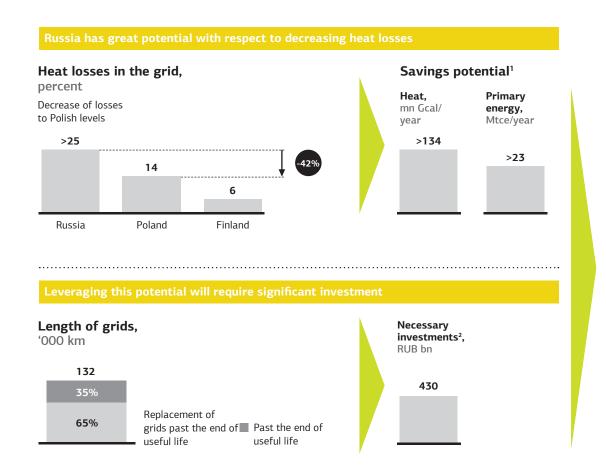
20

¹ Assuming the implementation of measures with a payback period under five years trialed in pilot projects

² Assuming that all measure with payback less than 5 years are realized



REDUCTION OF HEAT LOSSES IN TRANSMISSION CAN IMPROVE ENERGY EFFICIENCY BY 10%



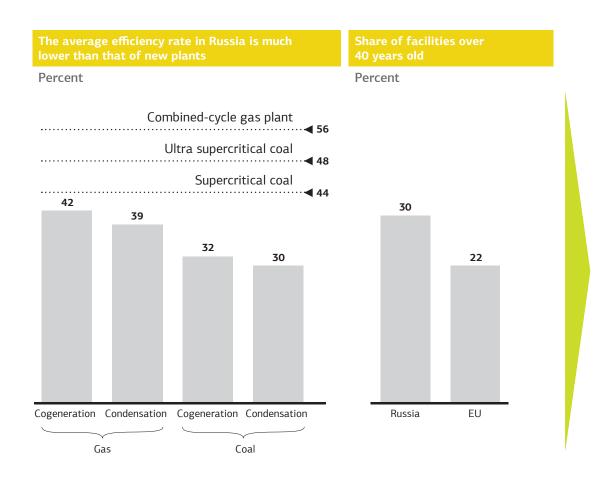
- Russia is a "leader" in heating mains losses
- If Russia decreases heat grid losses to Polish levels, the country will save over 10% of its heat energy
- The great length of deteriorated grids creates significant investment opportunities

¹ Assuming Russian decreases heat grid losses to Polish levels

² Replacement of grids past the end of normative life



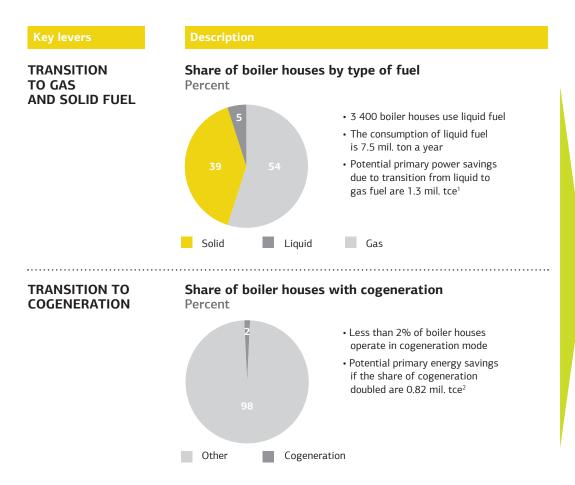
MANY OF RUSSIA'S POWER GENERATION FACILITIES ARE TECHNOLOGICALLY OBSOLETE



The average age of generation plants is much greater than the corresponding figure in Europe. The efficiency rate of obsolete plants is much lower than that o modern plants



THE MODERNIZATION OF BOILER HOUSES IS A KEY LEVER FOR INCREASINGENERGY EFFICIENCY



Boiler houses transition to gas and solid fuel and the use of cogeneration mode can help achieve signi-ficant energy saving

¹ Assuming half of boiler houses on liquid fuel transition to gas, heat rate by fuel type is average heat rate of OAO «Sahalinskaya Kommunalnaya Kompania» in 2010

² Average heat rate of CHPs (166 kg/Gcal) and boiler houses (219 kg/Gcal) are used



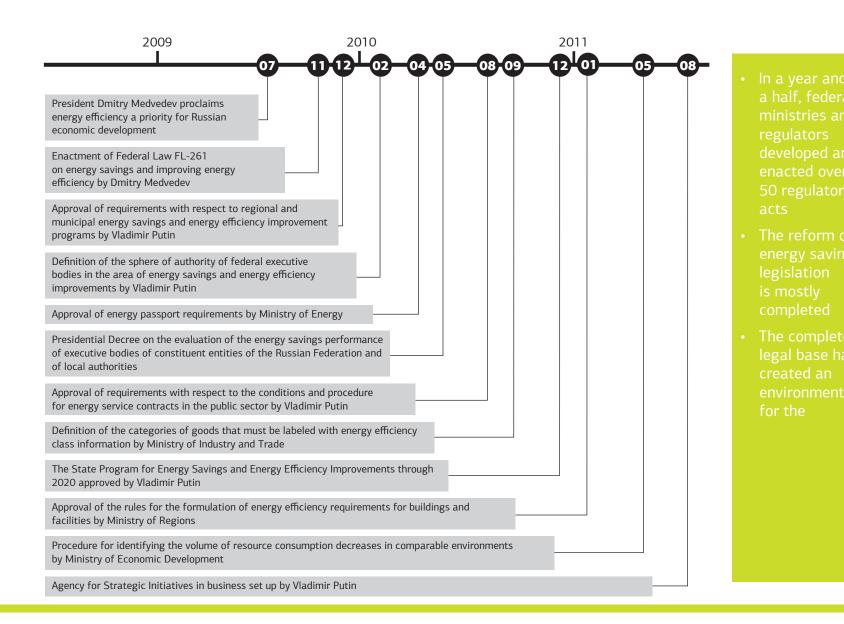
ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

- **O■** The Russian macroeconomic environment
- **1** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- **4.** Public policy in energy efficiency
- **5.** Development institutes and their programs
- **6■** Backup





LEGISLATIVE REFORM CONCERNING ENERGY SAVINGS





LEGISLATION CHANGES. NEW OPPORTUNITIES (1/2)

Area	Key legal provisions		Impact of current legislation
PUBLIC SECTOR	 Budget funded entities are obliged to decrease energy resource consumption by 15% between 2010 and 2015 (3% per year) Budget funded entities are to pay for energy resources on the basis of metering data starting in 2011 	•	 Public servants are to lower entities' energy consumption Organizations will pay for resources on the basis of actual consumption Incentive: savings lead to higher wages
	 Budget funded entities must conduct an initial energy audit before the end of 2012 and repeat it every five years 		Investment activities and projects in the public sector are developed on cost-effective bases
6 regulations enacted	 Energy service contracts conditions, forms and requirements with respect to the contracting procedure in budget funded entities have been defined Budget funded entities' energy service contracting and accounting procedures have been approved The methodology for assessing the impact of measures in comparable environments has been developed 	>	 Recommended energy saving solutions for the public sector have been approved Regional and municipal governments have instructions regarding expenditure planning with reference to savings Energy saving assessing and calculating methodologies approved by federal law
RESIDENTIAL SECTOR AND HOUSEHOLDS	Energy efficiency requirements for buildings and facilities and energy efficiency classes determination rules have been approved	.	New buildings and projects are designed with reference to energy efficiency requirements
	 The types and characteristics of goods for which energy efficiency class must be stated have been approved Energy efficiency class is to be labeled on the goods packaging 		 People clearly see energy efficient classes of goods in the stores Incentive: choose efficient goods and save on household energy payments
regulations enacted	Households are to pay for energy resources on the basis of metering data from mid-2012	•	New incentive: significant savings on utility payments for the family budget



ЗАКОНОДАТЕЛЬСТВО И ИЗМЕНЕНИЯ. НОВЫЕ ВОЗМОЖНОСТИ (2/2)

Area	Key legal provisions		Impact of current legislation
INDUSTRY regulations enacted	 Large consumers and regulated companies must conduct an initial energy audit before the end of 2012 and repeat it every five years The Ministry of Energy has registered over 100 self-regulating organizations with a membership of over 4,000 energy auditors Energy passport requirements and issuance procedure have been approved 	•	 Investment activities and energy efficiency projects are developed on cost-effective bases Energy auditor qualifications requirements have been determined Energy efficiency measures feasibility reports are aggregated to develop best practices
POWER AND TRANSPORT 16 regulations enacted	 Requirements with respect to programs for energy savings in regulated companies issued by The Federal Tariff Service Programs for energy savings in regulated companies are being monitored 	······	Overall system-based approach for energy efficiency implementation in power generation and distribution industry is underway
OVERALL	 Requirements with respect to regional and municipal programs for energy efficiency have been approved, a variety of cost-effective measures have been recommended for inclusion into these programs Regional and municipal programs for energy efficiency have been approved in 2010 	······	Overall multilevel energy savings incentive framework and state investments tools set up
8 regulations enacted	 Performance indexes and controlling procedures for state-driven energy efficiency measures have been approved for government bodies at all levels 	•	Incentive for government bodies: energy efficiency is a key lever of modernization



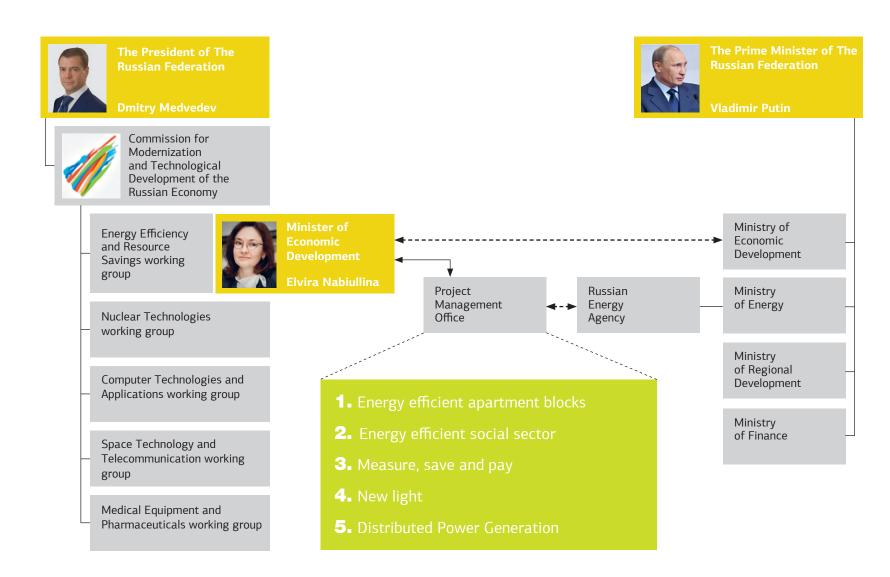
ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

- **O■** The Russian macroeconomic environment
- **1** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- 4. Public policy in energy efficiency
- **5.** Development institutes and their programs
- **6■** Backup





COMMISSION FOR MODERNIZATION AND TECHNOLOGICAL DEVELOPMENT





PILOT PROJECTS OF THE ENERGY EFFICIENCY WORKING GROUP



¹ A library of technological and organization solutions and business cases has been built for every project



RUSSIAN ENERGY AGENCY

Goals

- Improve the effectiveness of public policy in the areas of energy efficiency and energy savings
- Serve as a point of contact and as unifying body of all activities in energy efficiency space in Russia from setting normatives to developing public policy
- Improve the investment attractiveness of the electric power industry

Activities

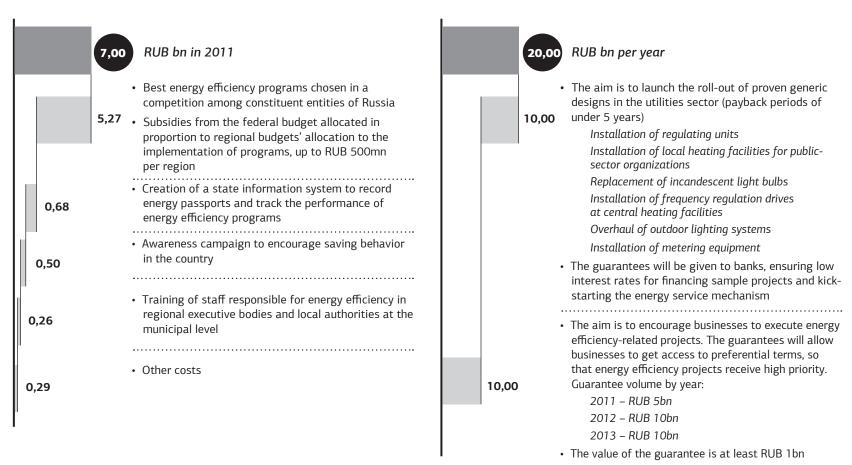
- Informational and analytic support in the areas of fuel and energy industry, energy efficiency, renewable energy sources
- Development of regional, municipal, public-sector and corporate programs to improve energy efficiency, supporting the implementation of these programs
- Coordination of international cooperation in the areas of improving energy efficiency and renewable energy sources
- · Organization of events to raise awareness and providing training related to energy efficiency issues
- · Methodological support in the areas of energy efficiency and renewables
- Expert analysis and support for projects in the areas of energy efficiency and renewables
- · Support energy service activities and attracting financing
- · Support innovations and research in the fuel and energy sector, energy efficiency and renewables
- Encourage the creation of Russian manufacturing capacity and technology transfer in the areas of energy efficiency and renewables



IMPLEMENTATION LEVERS FOR THE PUBLIC PROGRAM



Public guarantees for loans financing energy efficiency projects (within the framework of long-term target agreements)



¹ Starting from 2012; in 2011, the guarantees amount to RUB 10bn pro rata



BUDGETARY SUPPORT FOR ENERGY SAVINGS IN 2011

FEDERAL BUDGET

The planned funding for the implementation of the state energy savings and energy efficiency program is RUB 7bn in 2011. Key directions

- Subsidies to regions for co-financing energy efficiency
- State information system
- Comprehensive awareness campaign
- · Expert training

 Responsibility for program implementation rests with the Ministry of Energy

REGIONAL BUDGET

Budgetary support for energy savings

RUB bn, 2011



- Regional budget funds in 2011- RUB 12.2bn
- Federal budget subsidies in 2011- RUB 5.27bn

Key items

- Co-financing of equipment installation and the implementation of measures in the residential sector
- Energy audits, public sector reporting
- Subsidized metering equipment for the population
- Modernization of boiler rooms and reference electrode units
- · Subsidies to municipalities

Federal budget subsidies



ENERGY SAVINGS PROGRAMS IN REGULATED ORGANIZATION — EXAMPLES

Company name



Program description

- · Three large energy efficiency improvement programs implemented
- Application of LED equipment (investments of more than RUR 220 million)
- Improvement of the system of fuel and energy resources
- Energy savings in transportation process
- Next steps include comprehensive energy savings innovative products, including implementation of LED equipment, hydrogen power, nanotechnology
- · Contract on cooperation in the area of energy efficiency with the European Bank of Reconstruction and Development



- Energy efficiency program for 2012 2015
- Optimization of technological process of oil transportation and storage
- Application the electric equipment with higher efficiency ratio
- Wide application of thermal insulation
- Introduction of GLONASS monitoring to reduce the motor fuel consumption
- Energy savings program implementation will allow to ensure the savings of fuel and energy resources for 2010 -2015 by 12% as compared to 2009



- Energy savings program for 2010 2015
- Power efficiency improvement at a construction stage use of local types of fuel, application of thermal insulation materials for winter concrete placing
- Reduction of technological losses of operating units and of energy consumption
- Power savings in sales: decrease in technological and commercial losses of power energy and improvement of accounting for energy resources
- Energy audit (conducted for 16 Hydro power stations)



- Energy savings program for 2010 2012
- Decrease of grid losses, smart grids
- Equipment of sites with accounting devices
- Decrease of the consumption of electric power and heat in buildings and constructions
- Energy audit



ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

- **O■** The Russian macroeconomic environment
- **1** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- **4.** Public policy in energy efficiency
- **5** Development institutes and their programs
- **6■** Backup





IN THE LAST 2 YEARS OVER 8 BLN USD WERE GIVEN BY OVER TEN NEWLY CREATED FINANCING FUNDS



- There is a significant number of institutes which finance energy efficiency projects at different stages of project lifecycle
- Various instruments for financing by state of already started projects and grants in R&D in energy efficiency
- A high number of energy efficiency projects are already being financed now



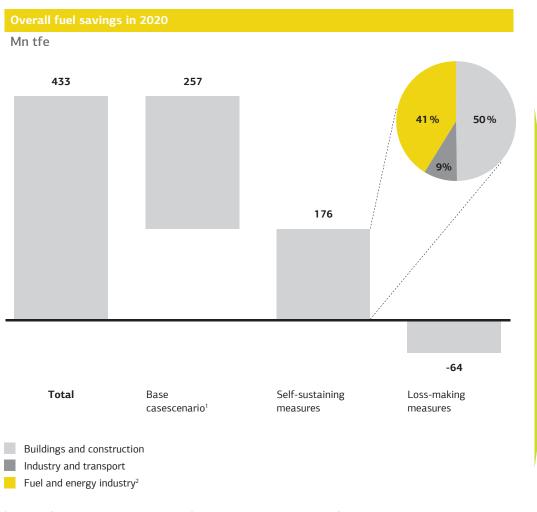
ENERGY EFFICIENCY IN RUSSIA: NEW OPPORTUNITIES

- **O■** The Russian macroeconomic environment
- **1** The Russian energy industry investment opportunities
- **2.** Energy efficiency of the Russian economy
- **3.** Energy efficiency legislation reform outcomes
- **4.** Public policy in energy efficiency
- **5** Development institutes and their programs
- **6** Backup





POTENTIAL FOR REDUCED ENERGY CONSUMPTION IN 2020 DUE TO ENERGY EFFICIENCY MEASURES



More than 40% of fuel savings can be achieved via profitable measures, which are approximately evenly split between buildings and the fue and energy industry

¹ Savings due to necessary economic modernization via equipment upgrades

² Including the oil and gas industry



DESCRIPTION OF INVESTMENT PROGRAMS FOR ENERGY EFFICIENCY PROJECTS IN RUSSIA

Name

Amount of investment

. .

Examples



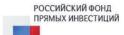
Total amount of RUB 130 bn

 Co-investing in nanotech projects with a significant economic or social potential

- ZAO Optogan development and manufacturing of ultra bright LEDs based on nano-heterostructure technology (RUB 2.3 bn)
- OOO Liotech production of new-generation LI batteries for electric transport and power industry in Russia (RUB 7.6 bn)



- Total amount of RUB 30 bn
- · RUB 12 bn invested
- Investments into venture capital funds
- BrightSource Energy development, production and sales of systems for converting solar energy into electric power and heat energy
- ZAO Hydraulic Power Machines production and sale of rotary vortex plants for hydraulic power industry and mining operations
- ZAO Seismoshelf developer of a technology for complete seafloor seismic exploration



- Total amount of USD 10 bn
- Investments into leading companies in the highest-growth sectors



DESCRIPTION OF GRANT PROGRAMS FOR ENERGY EFFICIENCY PROJECTS IN RUSSIA



- Over RUB 1 bn has been allocated (2011)
- Support for projects at all stages from design concept to development of an industrial equipment prototype
- · Provision of tax benefits for innovative projects
- · Provision of grants for projects selected according to the Fund's procedures
- 000 STM Innovation Development Center development of a prototype SinaraHybrid (TEM9N) shunting locomotive with intelligent asynchronous hybrid drive - RUB 35 mn
- ZAO Elton establishing production of asymmetric electrochemical condensers with aqueous electrolytes
- · 000 FM Lab development of basic technologies and structures for production of lithium-air rechargeable chemical current sources for mobile applications and electric transport



- VEB guarantees and subsidize loan interest rates for projects
- It is planned to provide
 Assistance in promotion and implementation of unique business projects
 - · Support of unique socially important projects and initiatives of medium-sized businesses
 - · Promotion of development projects for social institutions, including socially oriented non-profit organizations

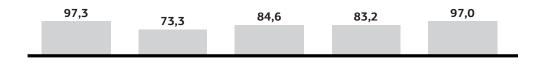
Project selection is to start in November 2011



SITUATION WITH METERING EQUIPMENT IN RUSSIA

Penetration of energy resource metering equipment in the Russian Federation September 11, 2011



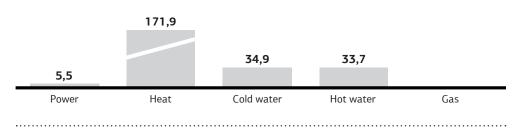


Share of apartment blocks equipped with metering units Percent



Potential for investment in installing metering equipment to track consumption by the entire building

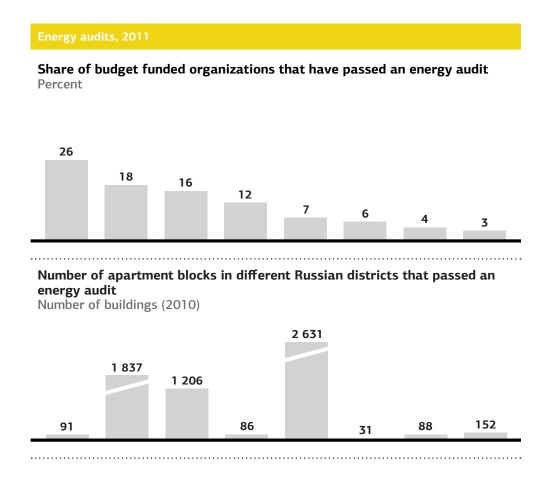
RUB bn



- Despite the expiration of the deadline for installing metering equipment in the public sector (January 2011), the average penetration of metering equipment still stands at 87%. At the same times the deadline for installation in the residential sector (July 2012) is approaching, with current coverage at 31%
- The market for metering equipment in Russia is large, with a volume of over RUB 250bn, chiefly accounted for by equipment tracking consumption by entire buildings
- Demand for these products has grown significantly due to the short deadlines for installing the equipment
- An interesting market segment is the installation of metering equipment allowing remote readings, including Smart Metering solutions in the public and residential sectors



TODAY ONLY A SMALL FRACTION OF BUILDINGS HAVE BEEN SUBJECTEDTO AN ENERGY AUDIT



- The energy audit market in Russia is substantial: publicsector organizations are to pass an initial energy audit be-fore the end of 2012 and repeat it every five years. This measure involves over 50,000 buildings in the public sector
- Energy audits of residential houses are not obligatory, but conducting such an audit and getting an energy passport are an appropriate step towards further energy saving measures
- The demand for services has grown significantly due to the short deadlines for energy audits for some customer groups