



MINISTRY OF ENERGY
OF THE RUSSIAN
FEDERATION

Energy efficiency is a priority for the Russian Federation in its energy policy

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Purpose and Principles of Government Energy Policy



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Purpose:

most efficient use of natural energy resources and the entire potential of the energy sector for stable economic growth, improvement of the quality of life of the population in this country, and strengthening of Russia's foreign economic positions.

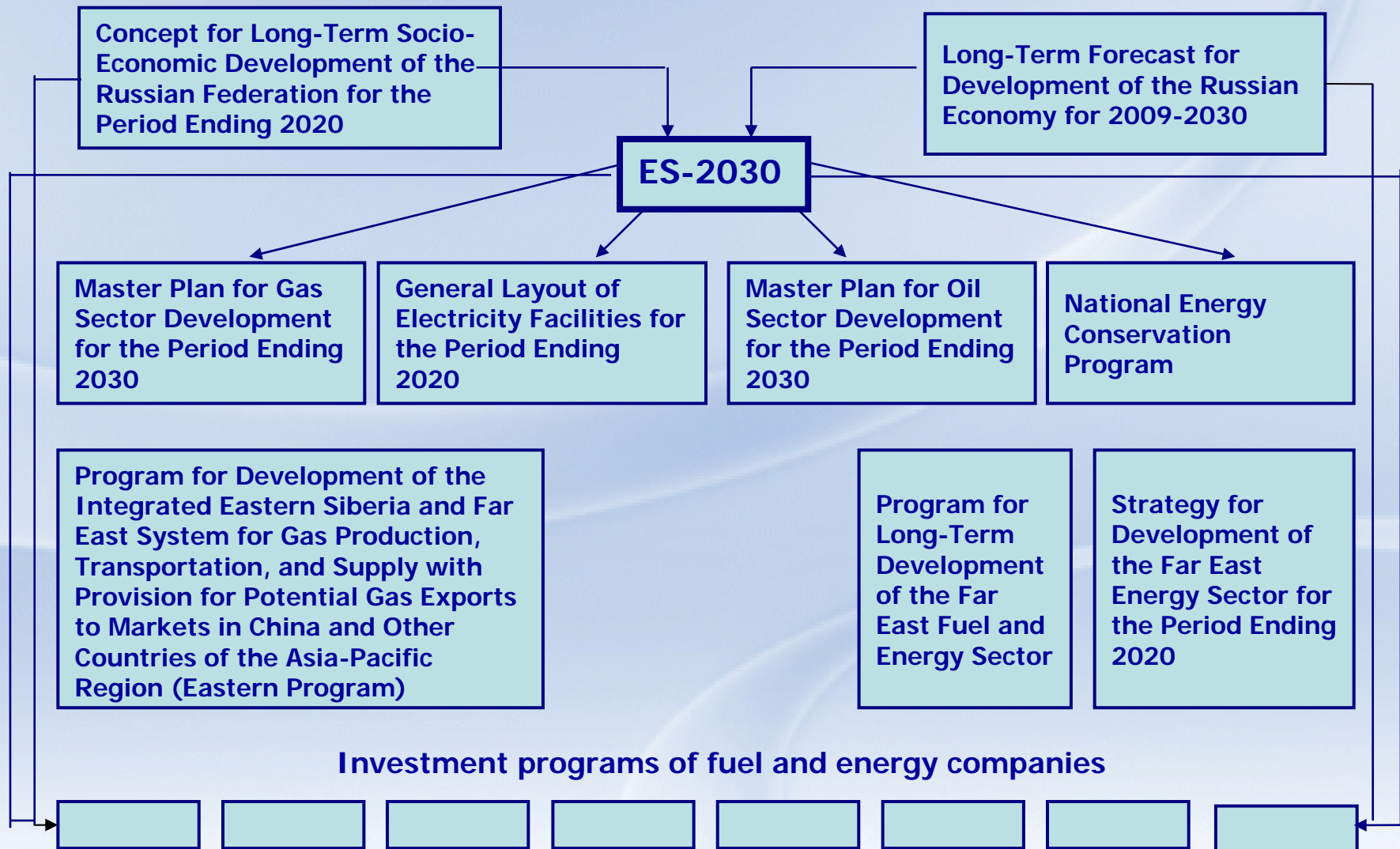
Principles:

- consistent public measures toward attaining vital strategic objectives for development of the energy sector;
- interest in creating strong and sustainable energy companies willing to maintain a constructive dialogue with the Government;
- relevant and predictable government regulation aimed at promoting private entrepreneurial initiatives to achieve the goals of the national policy, including investments.

The Place of the Russian Energy Strategy for the Period Ending 2030 in the System of Strategic Documents



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Implementation stages of ES 2030



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Stage 1 (up to 2013-2015)

- to overcome crisis consequences in the economy and energy sector as soon as possible; to create necessary conditions and lift restrictions for rapid post-crisis development;
- to use the economic crisis to upgrade and modernize the Fuel and Energy Sector (FES).

Stage 2 (up to 2020-2022)

- to enhance the overall energy efficiency of the economy and energy sector ; to upgrade FEC industries based on innovative solutions;
- to accelerate implementation of energy projects in Eastern Siberia, the Far East, the Yamal Peninsula and on the shelf of the Arctic seas.

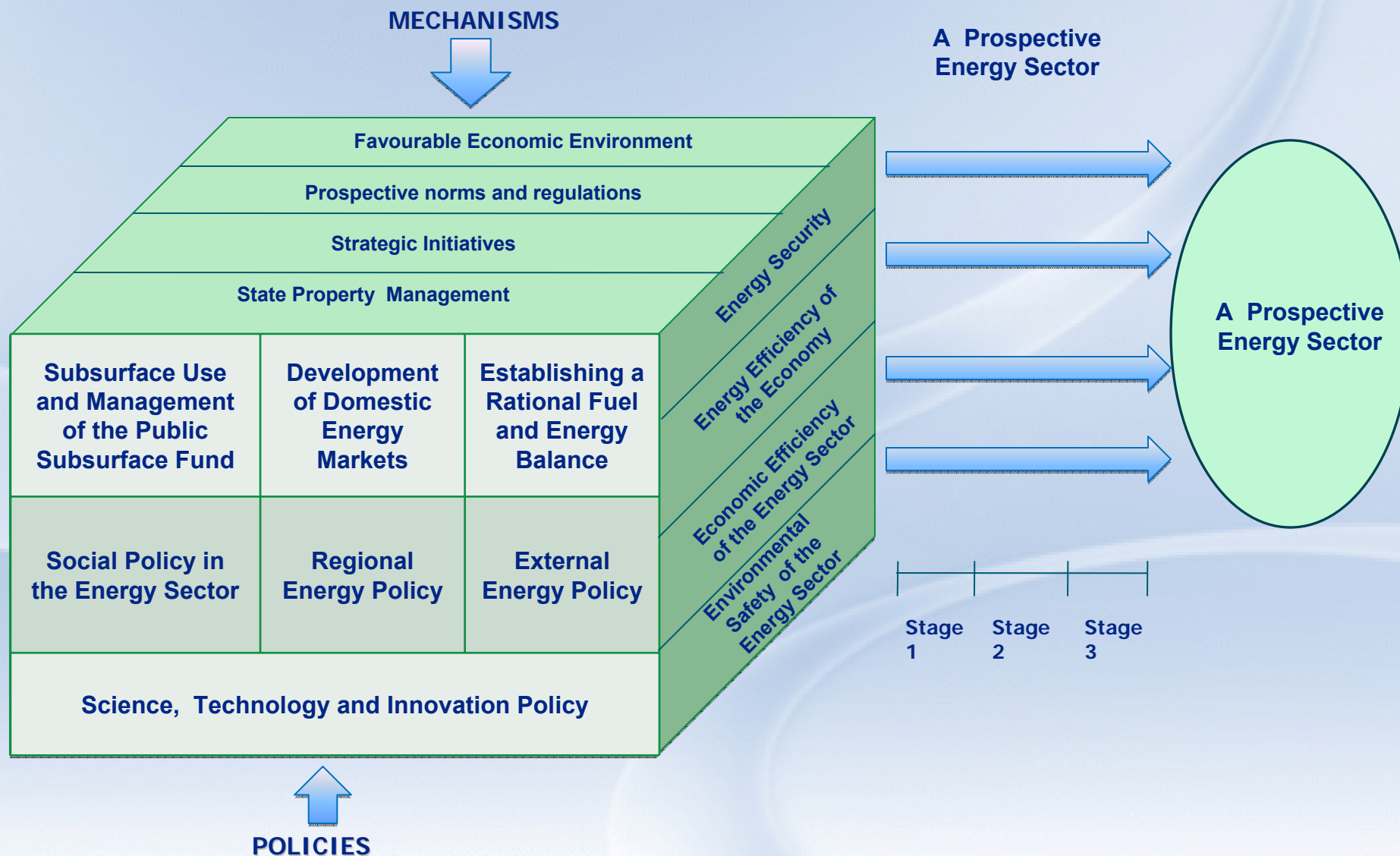
Stage 3 (until 2030)

- utilize conventional energy sources in a highly efficient manner;
- gradual transition to energy of the future.

A framework of the state energy policy



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Energy efficiency of the economy



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Goal:	Stage 1	Stage 2	Stage 3
To use energy resources as efficiently as possible by encouraging consumers to save energy and improving own energy efficiency and boosting investment in this area	Specific energy consumption of GDP, % against 2005		
Implementation efforts and mechanisms:	<i>not more than 80%</i>	<i>not more than 62%</i>	<i>not more than 46%</i>
Creating a favourable economic environment:	Creating an additional energy potential for economic development:		
<ul style="list-style-type: none"> ▪ drafting comprehensive federal and regional legislation on energy saving; ▪ establishing state institutional structures in the energy saving area; ▪ establishing a rational system for domestic energy prices; ▪ encouraging entrepreneurial activities in energy saving 	<i>not less than 100 mt of e.f. / year</i>	<i>not less than 200 mt of e.f. / year</i>	<i>not less than 300 mt of e.f. / year</i>
A system of prospective regulations, standards and norms:	Establishing a high-tech segment of energy services worth:		
<ul style="list-style-type: none"> ▪ increasing responsibility for the irrational and inefficient use of energy, directly prohibiting against the use energy-consuming equipment and technology; ▪ introducing special standards of energy efficiency organizing state statistical monitoring of energy efficiency and conservation; ▪ introducing labeling of goods by energy efficiency levels (classes); ▪ maintaining a state energy registry for and energy certificates of organizations 	<i>not less than 200 billion RUB / year</i>	<i>not less than 300 billion RUB / year</i>	<i>not less than 400 billion RUB / year</i>
Support to strategic initiatives:	Average annual decrease of specific losses and expenses for own needs in energy sector companies, % to previous year		
<ul style="list-style-type: none"> ▪ developing federal, regional and municipal energy efficiency programs and monitoring their implementation; ▪ state support to energy-saving technologies of a new generation and energy-saving pilot projects; ▪ encouraging the development of energy audit; ▪ eliminating the use of energy without metering; ▪ enhancing energy efficiency in the budgetary sector; ▪ taking special measures to improve the energy efficiency in the housing and utilities sector; 	<i>not less than 1%</i>	<i>not less than 1%</i>	<i>not less than 0.5%</i>
<ul style="list-style-type: none"> ▪ encouraging the development and use of new energy technologies; ▪ implementing a package of informational and educational programs (events) developing and supporting international cooperation in energy conservation and efficiency. 	Reducing fuel consumption in the production of heat by boilers and CHP, % against 2005		
	<i>not less than 2%</i>	<i>not less than 6%</i>	<i>not less than 10%</i>

Environmental Safety of the Energy Sector



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Goal:

To consistently reduce environmental and climate burdens posed by FES

Implementation efforts and mechanisms:

Creating a favourable economic environment;

- encouraging environmentally friendly businesses in the energy sector and introducing clean and energy efficient and resource-saving technologies;
- eliminating infrastructural, technological and regulatory barriers to the rational use of associated petroleum gas and flaring minimization;
- creating conditions for expanding the production of electricity and heat from renewables.

A system of prospective regulations, standards and norms:

- tightening control over compliance with environmental requirements;
- harmonization of Russian and international environmental legislation.

Support to strategic initiatives:

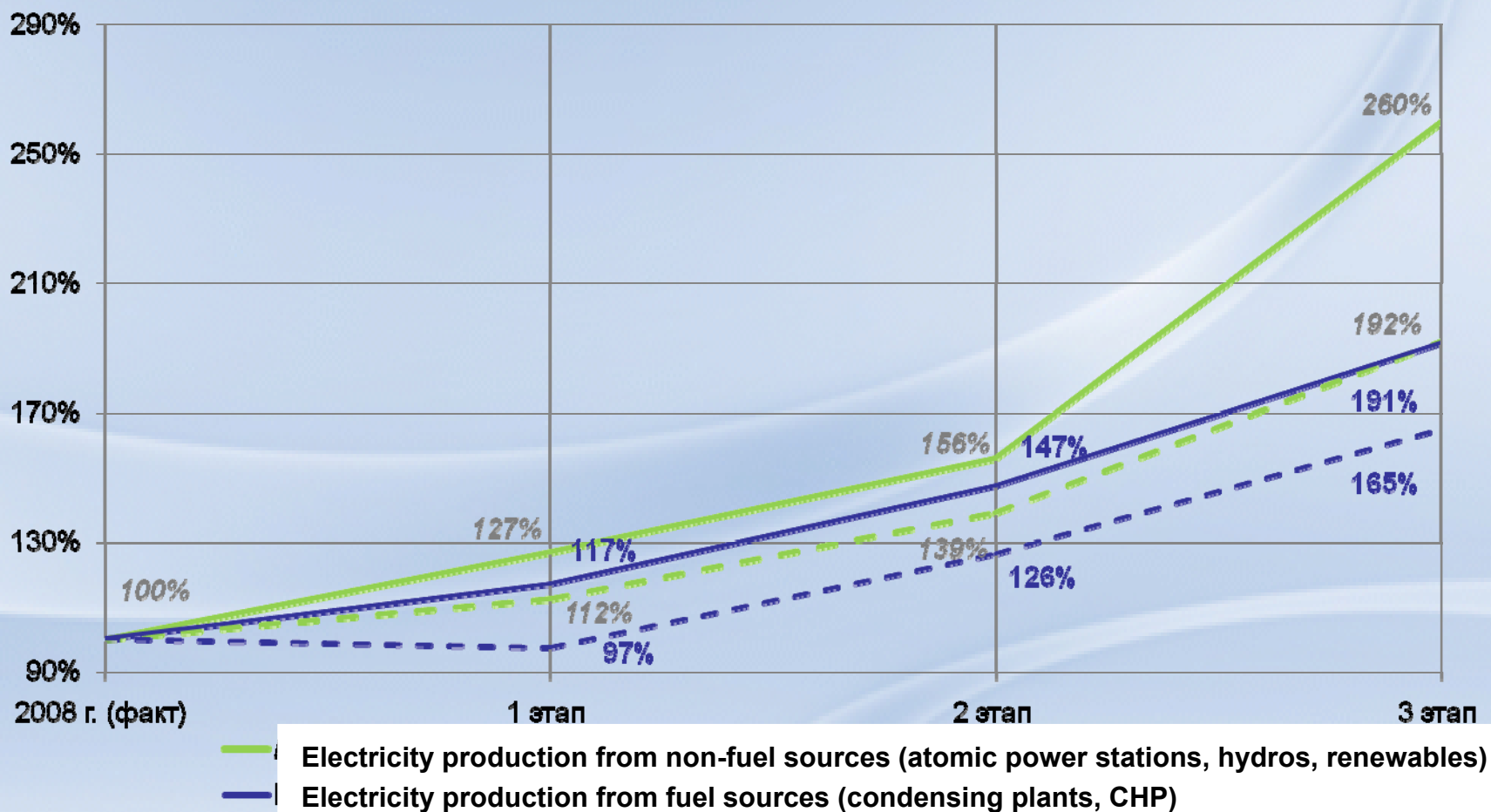
- development, implementation and improvement of environmental audit;
- encouraging production of high quality diesel fuels with improved environmental performance that meet international norms and standards.

Stage 1	Stage 2	Stage 3
Reducing emission of pollutants into the air, waste water discharged into water bodies, waste generation in the energy sector, % against 2005		
<i>not less than 15%</i>	<i>not less than 30%</i>	<i>not less than 50%</i>
Maintaining greenhouse gas emission, % against 2005:		
<i>not more than 83 %</i>	<i>not more than 90 %</i>	<i>not more than 105 %</i>
Utilization coefficient of П H Г (in 2005 – 75%):		
<i>95%</i>	<i>95%</i>	<i>95%</i>

Strategic Initiative for Non-Fuel Energy Sector Development



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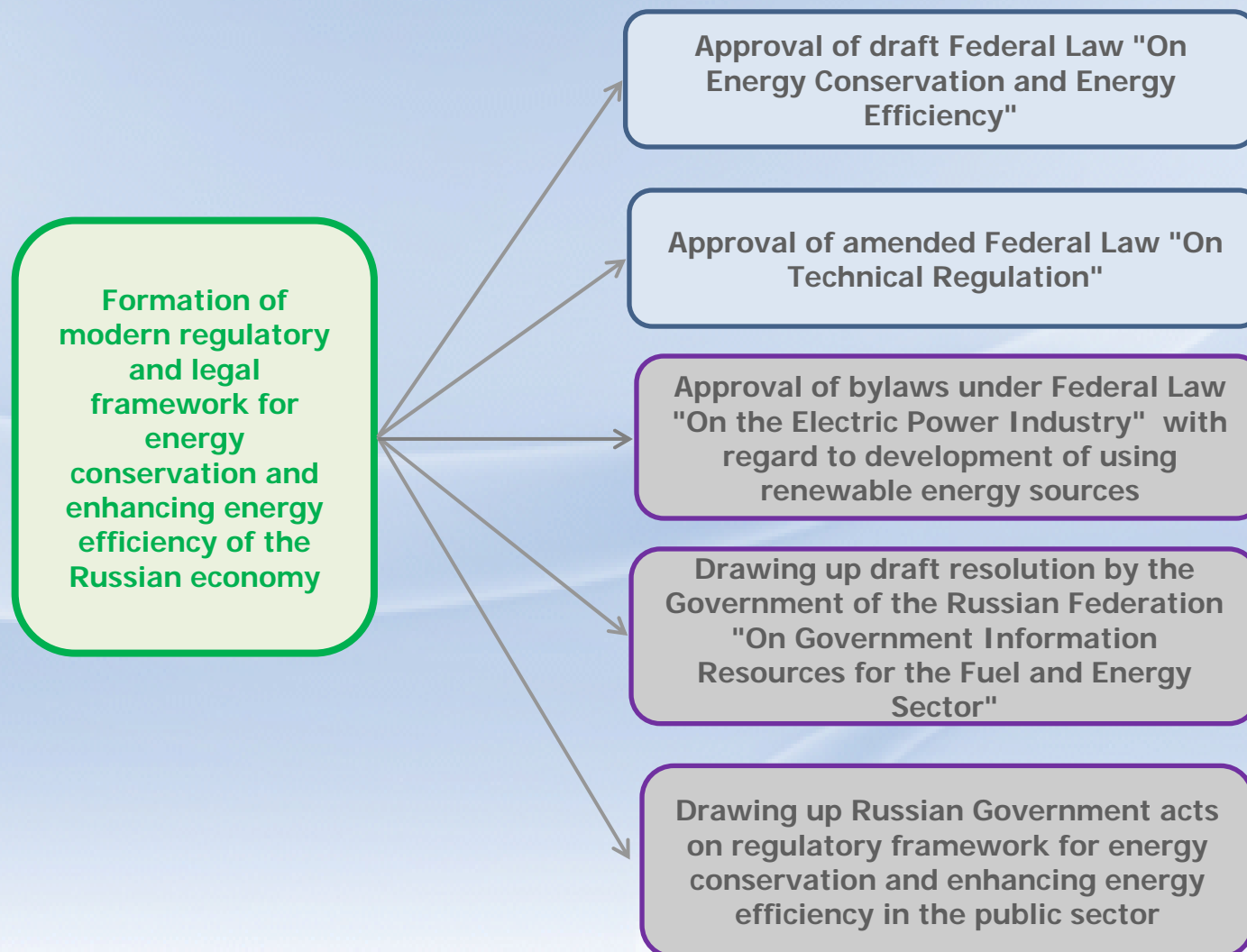


In 2030 electricity generated from new renewable energy sources (geothermal, solar, wind, tidal energy, bioenergy, etc.) will account for at least 80-100 billion kWh, i.e. increase tenfold

Formation of Modern Regulatory and Legal Framework for Energy Conservation and Enhancing Energy Efficiency of the Russian Economy



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Instruments for Energy Conservation in Economy Sectors



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Draft Federal Law "On Energy Conservation and Enhancing Energy Efficiency"

Establishment of energy efficiency classes and marking for household energy-consuming appliances, computers, and office equipment used throughout the Russian Federation

Imposition of bans and restrictions on manufacture and circulation within the Russian Federation of some categories of energy devices with non-productive consumption of energy resources

Establishment of the requirement for conducting obligatory energy audits at least once in 5 years for entities with a government or municipal share (exceeding 50%)

Adoption of the procedure for obligatory development, approval, and implementation of regional, intermunicipal, and municipal programs as pertaining to energy conservation and enhancing energy efficiency

Establishment of the requirement for maintaining national energy registers and records for application of energy-saving manufacturing technologies within the territory of the Russian Federation

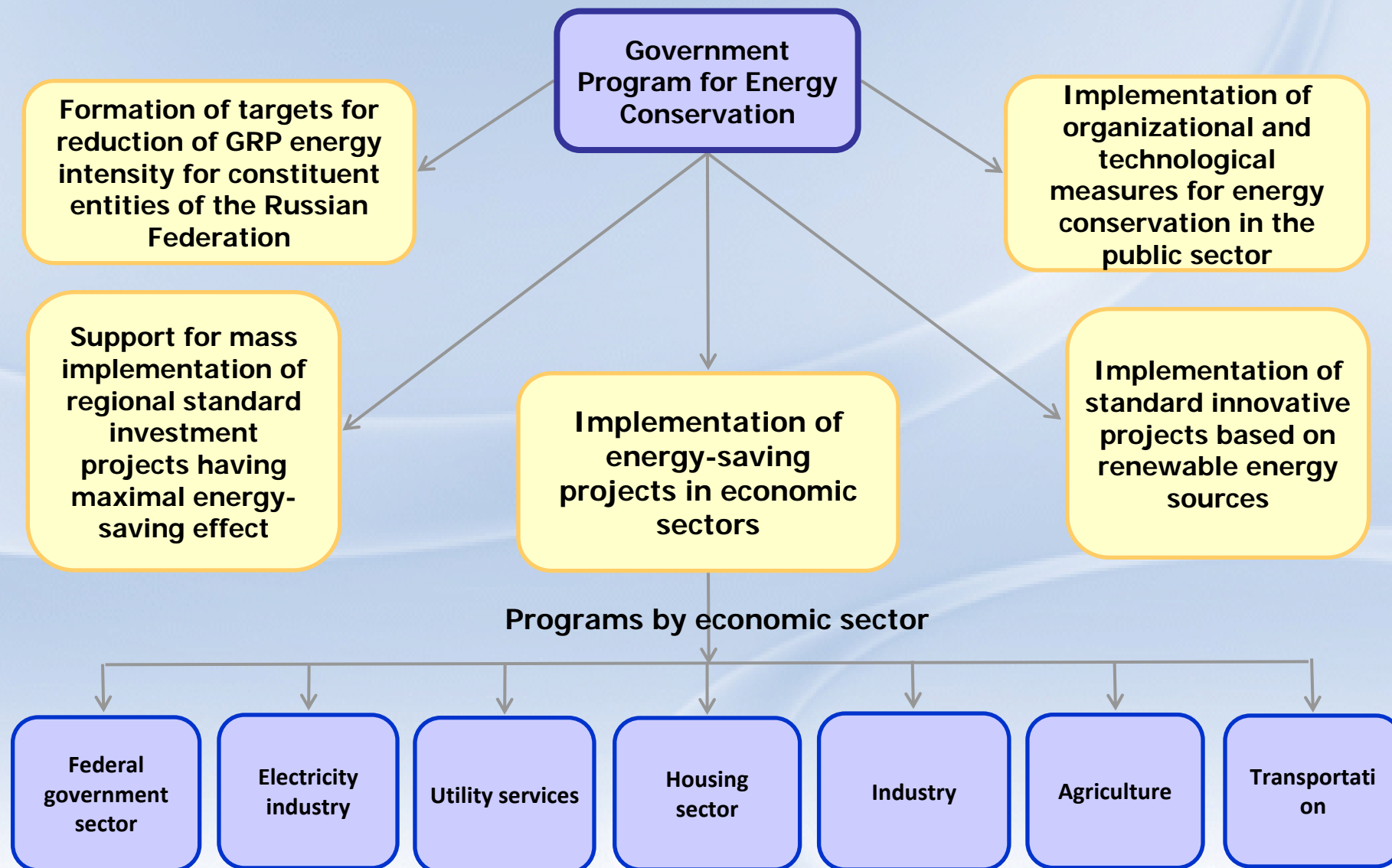
Provision of subsidies and interbudgetary transfers from the federal budget, budgets of the constituent entities of the Russian Federation, and municipal budgets for implementation of regional and municipal programs

Information and education support for measures aimed at energy conservation and enhancing energy efficiency

Government Program for Energy Conservation



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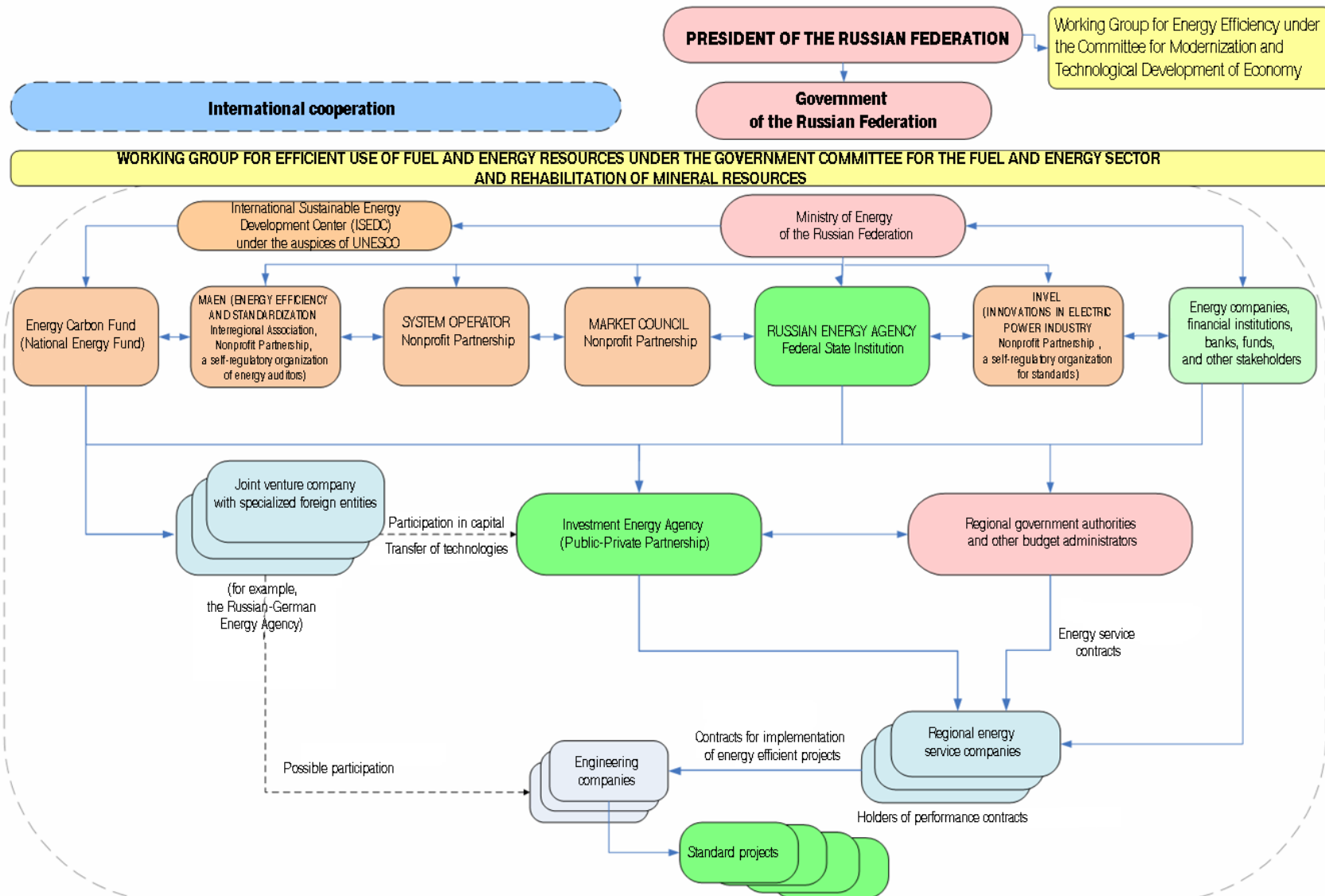


Management Structure for Energy Conservation and Energy Efficiency Enhancement



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MANAGEMENT STRUCTURE FOR ENERGY CONSERVATION AND ENERGY EFFICIENCY ENHANCEMENT





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Thank you for your attention!

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