



ROLE OF FUEL AND E ECONOM	ENERGY (Y OF RU	COMPLE SSIA	X IN TH	E	
	Fuel and energy complex share, %				
Indices	Years				
	1999	2000	2005	2008	
Industrial production volume	23.1	29.5	31.5	31.3	
Tax proceeds to the federal budget	36.0	40.0	57.9	48.3	
Export	52.0	52.6	63.9	68.1	
Investments in fixed assets	24.0	25.7	28.4	28.3	







EASTERN VECTOR OF RUSSIA'S ENERGY POLICY

• National interests of Russia require intensification of its mutually beneficial cooperation with Japan, China, Korea and other countries in Northeast Asia

• Creation of new energy centers in East Siberia and the Far East will increase energy security of Russia, restore and strengthen broken fuel and energy ties between the regions and solve many important federal, interregional and regional problems

• Fast and large-scale development of energy sectors in these regions and penetration to the energy markets in Japan, China, Korea and other countries of Northeast Asia should be considered as a primary means of timely ensuring the appropriate positions of Russia in this strategically important region of the world

• Creation in the East of Russia and in Northeast Asia of a developed energy infrastructure in the form of interstate gas-, oil pipelines and transmission lines will decrease the cost of energy carriers, enhance reliability of energy and fuel supply to consumers in different countries and make easier the solution of environmental problems









MAIN RESULTS OF THE RUSSIA-JAPAN PROJECT 1993-1995

- 1. Development of oil and gas resources in East Siberia and the Far East to meet internal demands and to supply surplus hydrocarbons to the markets of NEA countries is the strategic priority of socio-economic development of Russia's eastern region and provision of energy security in NEA.
- 2. The fundamental scheme of oil-, gas pipeline network and export oil-, gas pipelines in Russia's East is suggested. The scheme of the gas pipeline network and export pipeline system in Russia's East was later specified in the framework of joint studies between the Russian research society "Rosaziagaz" and the Northeast Asian Gas and Pipeline Forum, Japan (NAGPF project).
- 3. Promising coal deposits that are attractive for the Japanese market, potential electricity sources for Russian electricity export to Japan, China and other NEA countries are presented.
- 4. The mechanisms for implementation of the suggested measures on strengthening the energy cooperation in NEA are proposed.

The results of the Russia-Japan project were discussed in December 1996 in Moscow at the Russia-Japan round table organized by the Ministry of Economy, Ministry of Energy of the RF and Ministry of Foreign Trade and Industry of Japan.



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EXPORT OF ENERGY RESOURCES FROM RUSSIA

Index	2005	Forecast			
Index	fact.	2010-2012	2020	2030	
Export, million tce, total	770	860-870	910-950	900-950	
including:					
Oil and oil products, million t	327	356	330-325	300-290	
of which oil:	265	285	266-259	243-240	
Western direction	249	247	195-197	170-172	
Eastern direction	16	38	71-62	73-68	
Natural gas, billion m ³	207	240	290-320	315-330	
Western direction	207	218	225-230	237-240	
Eastern direction	-	14-15	65-90	78-90	
Coal, million t	77	100-110	110-120	125-130	
Electricity, billion kWh	13	21-25	30-85	48-105	
Western direction	12.3	17	20-25	23-25	
Eastern direction	0.7	4-8	10-60	15-80	
Source: Substantiating materials to "The	Energy Strategy of R	ussia up to 2030"; auth	nors' estimates	31	

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Several Saving Potential of Russia's Fuel AND ENERGY COMPLEX							
Industry	Gas, billion m³	Oil, million t	Electric energy, billion kWh	Thermal energy, million Gcal	Coal, million t	Total potential, million tce	Cost estimate of the potential, billion doll.
Gas	18.1	-	2.1	6.4	-	20.8	4.16
Oil	12.0	30.3	28.3	21.3	-	55.5	11.65
Coal	20.0	-	1.5	-	-	30	1.55
Electric power	17.0	-	31.8	13.2	12.8	42	8.4
TOTAL	67.1	30.3	63.7	40.9	12.8	148.3	25.8

Bushuev V.V., Sorokin V.P. Energy saving, energy efficiency and environment. Russia in the context of "G8" //Energeticheskaya politika, 2007. – Issue 1. – P.18-25

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9	INDICATORS OF IN EN	ENERGY EFFICIENCY OF ERGY STRATEGY OF RU	FRUSSIA'S ECONOMY			
Si	tages of developm	ent and indicators of th	heir implementation			
	Stage 1	Stage 2	Stage 3			
	Energy-GDP ratio (in percent of 2005):					
	no more than 78%	no more than 57%	no more than 44%			
De	Decrease of specific fuel consumption for heat production by boiler plants (in percent of 2005):					
	no less than 2%	no less than 6%	no less than 10%			
	Decrease of specific fuel consumption at thermal power plants:					
	up to 15 g ce/kWh (94% of 2005 level)	up to 300 g ce/kWh (90% of 2005 level)	up to 270 g ce/kWh (80% of 2005 level)			
	Decrease of losses and auxiliary consumption at FEC enterprises (in percent of previous year) :					
	no less than 1%	no less than 1%	no less than 0.5%			
Sour Gover	ce: Energy Strategy of Ru rnment of November 13, 2009	ussia 2030 (approved by the Resolution)	ution No. 1715-p of the RF			

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