Russia and Cooperation with the APR States in the Field of Energy
Share of Regional Trade in Russia’s and RFE Foreign Trade (% of the overall trade balance)

Russia

APEC: 34.4%
European Union: 17.1%
CIS: 6.8%
Other states: 5.6%

Russian Far East

APEC: 85.7%
European Union: 18.7%
CIS: 1.9%
Other states: 29.8%
Technology, capital
Japan, ROK, CIS, ASEAN

Natural resources
Russia, Mongolia, Australia

Labor
PRC, DPRK
Favorable Conditions for Growth in Russian Hydrocarbon Exports

<table>
<thead>
<tr>
<th>Condition</th>
<th>Details</th>
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<tbody>
<tr>
<td>Growth in Asian oil consumption levels</td>
<td>to 35% between 2000 and 2010</td>
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<tr>
<td>Stabilization or decrease in oil production</td>
<td>in Asia</td>
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<tr>
<td>Decrease of inter-regional oil supplies</td>
<td>from 42 to 27-30%</td>
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<tr>
<td>Greater role of the Middle East,</td>
<td>from 50 to 65%</td>
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<tr>
<td>Stronger monopoly role of Middle East states and more stress on energy</td>
<td>security for the importing states</td>
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</table>
Greater oil consumption rates in Asia Pacific – growing monopoly role of the Middle East states – energy security issues for importing states

NEA states becoming net importers

Need to diversify oil and gas import markets

Common interests of Russia and NEA – the infrastructure for cooperation
Russian Far East Energy Resources

- **Oil**: Over 8 bn t
- **Natural gas**: 40 trln cubic meters
- **Coal**: 20 bn t
Sakhalin Oil and Gas Complex

Oil recovery
annually
45-50 mln t

Gas production
annually
45 45 bn t
RFE Prospective Oil and Gas Areas (outside Sakhalin)

Oil
4 bln MT

Natural Gas
19 trln CUM
Oil reserves at 1,153 mn t
Through capacity at 80 mn t
Length 4,000 km
Construction time terms 3.5 years
International Electric Power Links in Eastern Russia (bln.kwh)

- Bratsk to UlaanBaator: 15-18
- Chita to Komsomolsk of the Amur: 2-4
- Khabarovsk to Vladivostok
- Harbin to Kheikhe
- Bureya HPP
- Aniva 25
- Poronaysk to Ishikari
- Tokyo to Kashiwazaki
- Seoul to Republic of Korea
- Beijing
- MONGOLIA
- CHINA
- JAPAN
Incentives for Cooperation

Realistic projects

- Cross-border trade
- Energy bridge between Vostok United Power Systems and the Korean peninsula (in 2004 a feasibility study will be conducted for TLs)
- Energy bridge between Sakhalin and Japan (feasibility study is being prepared by Sumitomo of Japan, the project design proposals were drafted by United Energy Systems of Russia in 2000)

Diversified electric power network along all the RFE borders

- Forming the inter-system transit of TLs for 500 kV
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