




MINISTRY OF FOREIGN AFFAIRS
OF THE REPUBLIC OF LITHUANIA

OSCE CONFERENCE: *Strengthening Energy Security in the OSCE area*

Prospects of Common European Energy Policy. Challenges and Opportunities: a View from Lithuania

Vytautas Naudužas

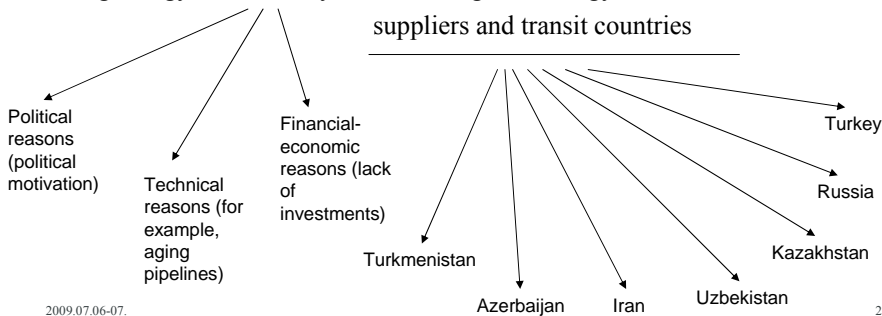
July 6-7, 2009
Bratislava



MINISTRY OF FOREIGN AFFAIRS OF THE REPUBLIC OF LITHUANIA

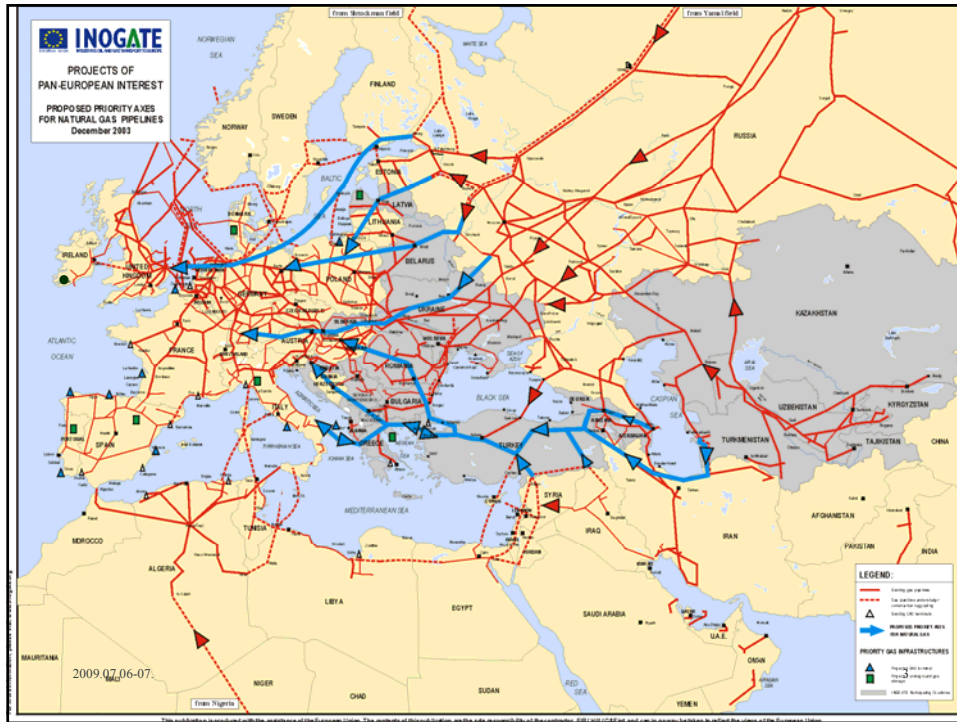
Energy Independence Is Not Equal to Energy Security!

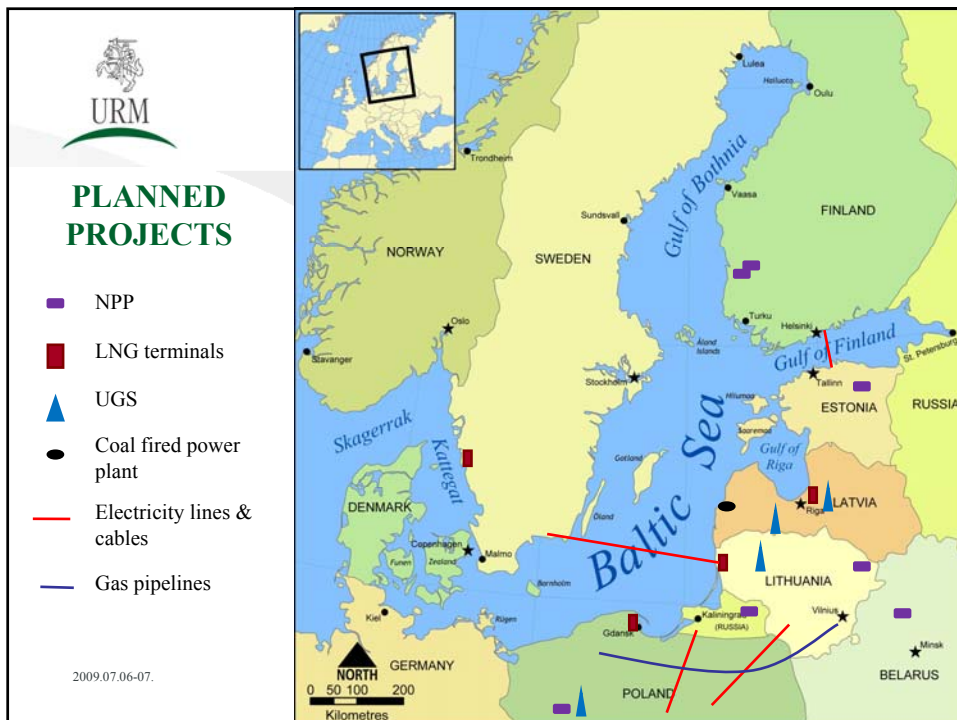
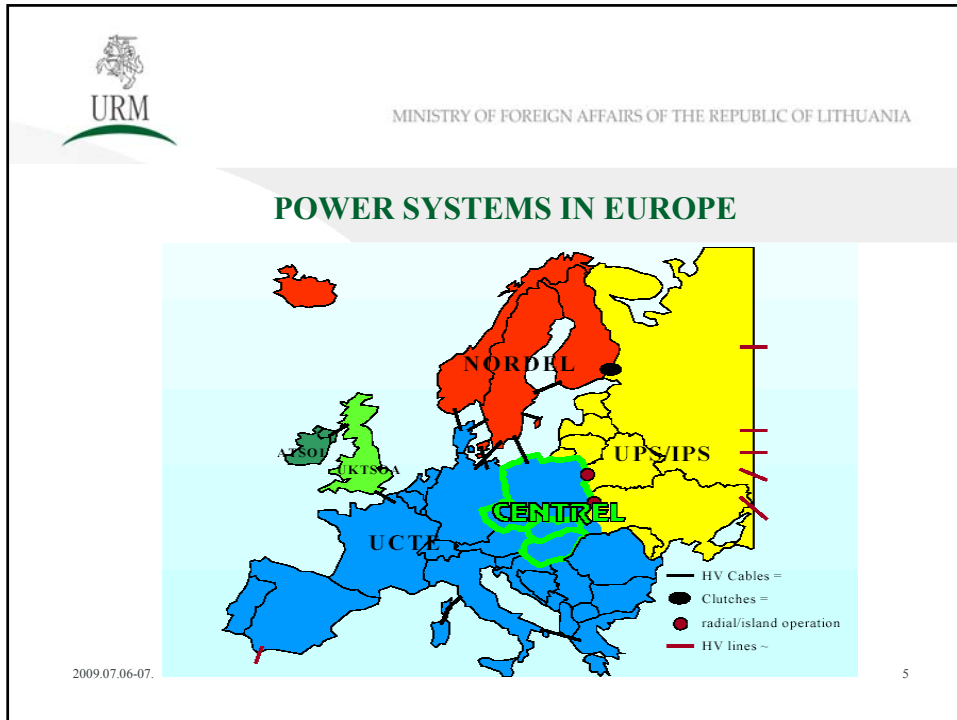
- Energy security is reliable supply of energy resources
- Reliability means:
minimizing energy vulnerability + increasing new energy resources,
suppliers and transit countries

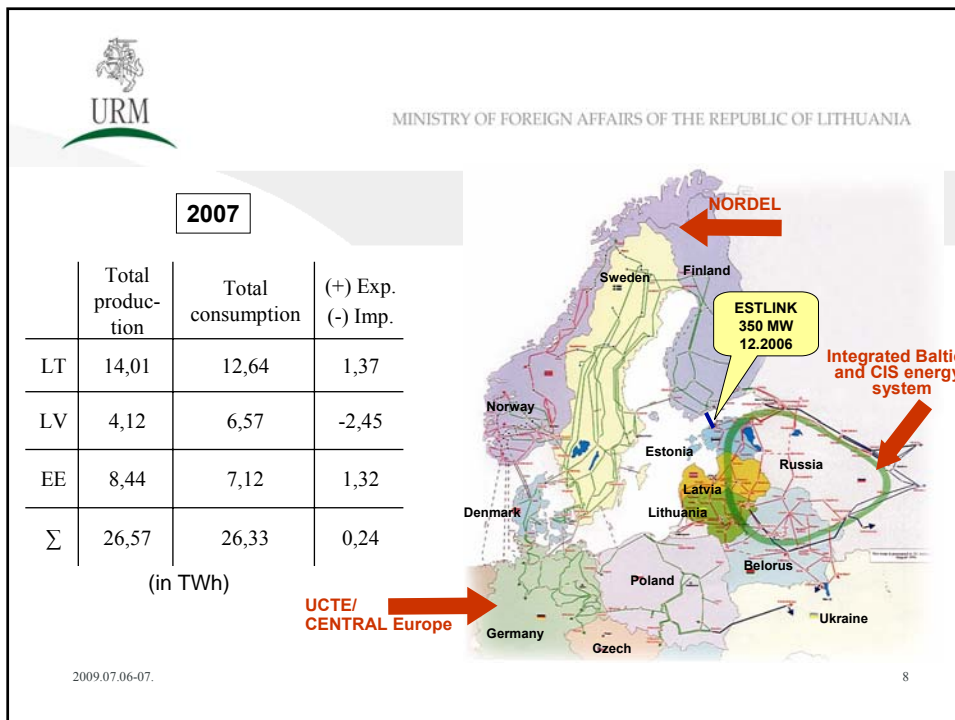
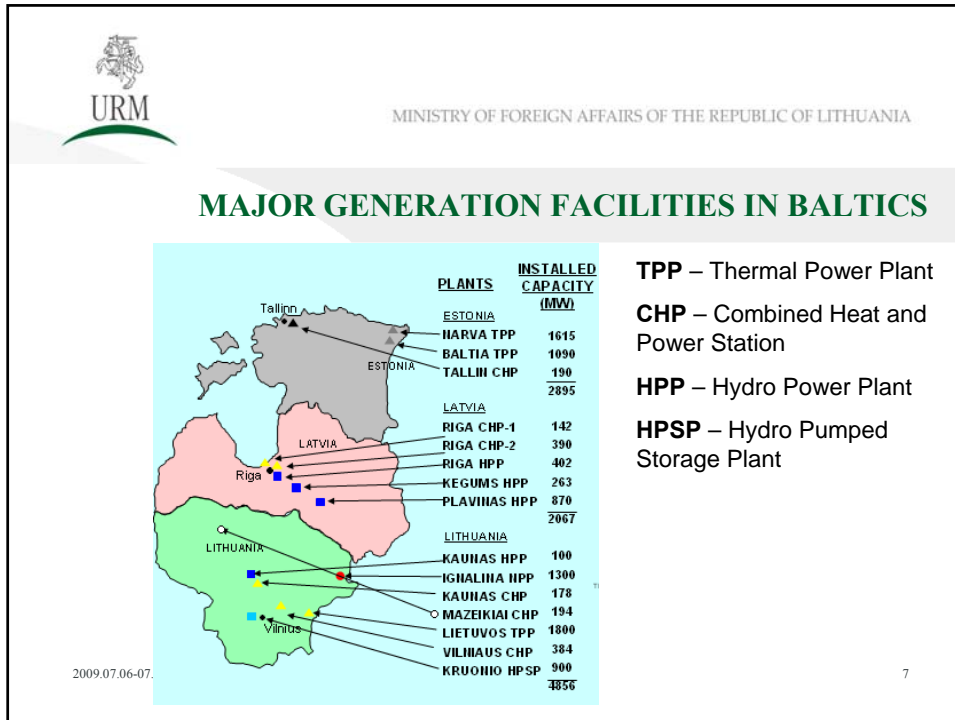


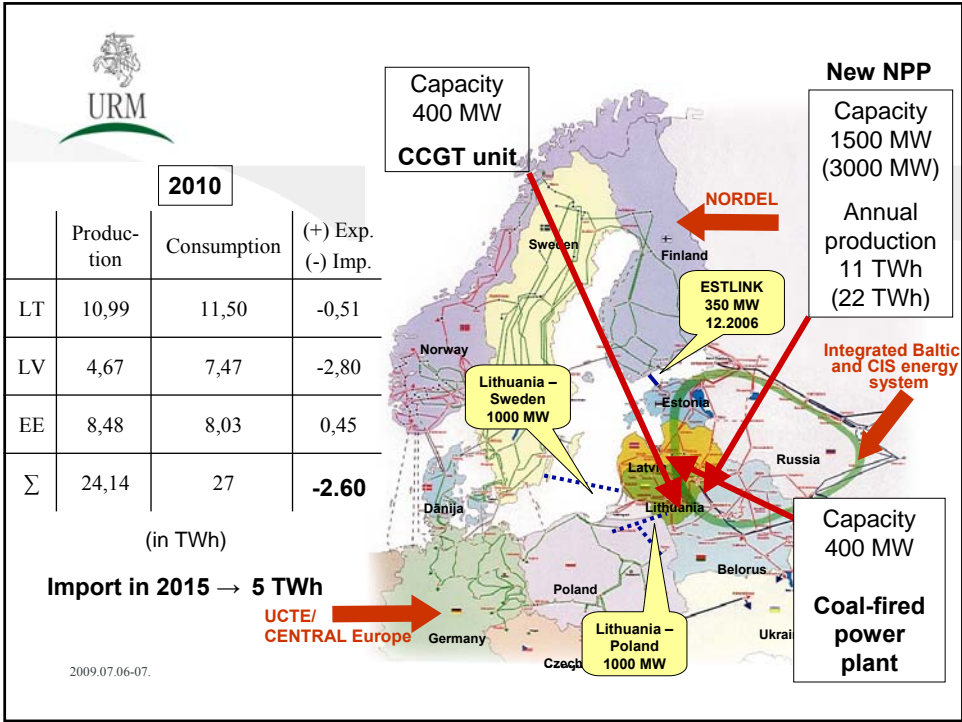
The diagram illustrates the components of energy security. It starts with 'minimizing energy vulnerability + increasing new energy resources, suppliers and transit countries'. This is broken down into three categories of reasons for vulnerability: Political reasons (political motivation), Technical reasons (for example, aging pipelines), and Financial-economic reasons (lack of investments). The latter category is further detailed with arrows pointing to specific countries: Turkmenistan, Azerbaijan, Iran, Uzbekistan, Kazakhstan, Russia, and Turkey.

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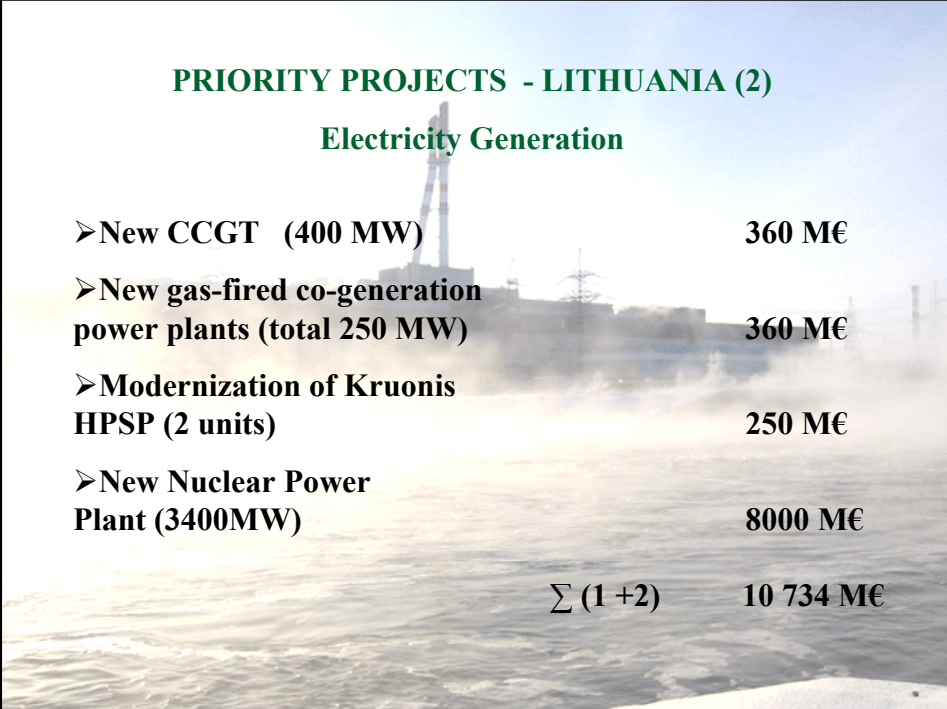


PRIORITY PROJECTS - LITHUANIA (1)

Electricity Networks

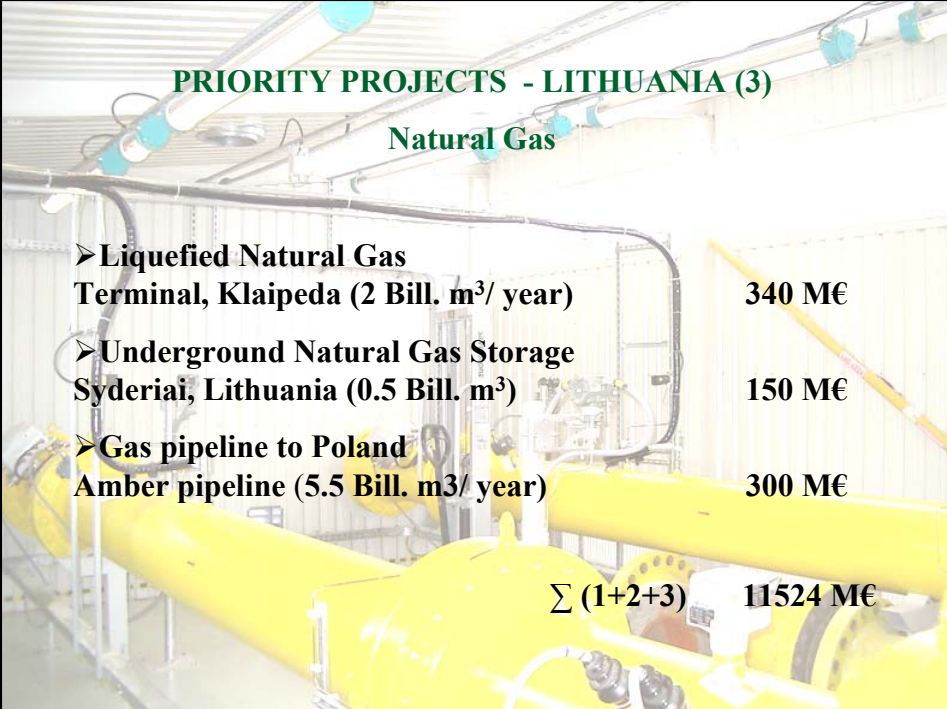
➤ Lithuania – Poland electricity interconnection (1000 MW)	237 M€
Additional network strengthening	466 M€
➤ Lithuania – Sweden electricity interconnection (1000 MW)	700 M€
➤ Reconstruction of internal electricity grid	361 M€
Σ (1)	1764 M€

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PRIORITY PROJECTS - LITHUANIA (2)
Electricity Generation

➤ New CCGT (400 MW)	360 M€
➤ New gas-fired co-generation power plants (total 250 MW)	360 M€
➤ Modernization of Kruonis HPSP (2 units)	250 M€
➤ New Nuclear Power Plant (3400MW)	8000 M€
Σ (1+2)	10 734 M€



PRIORITY PROJECTS - LITHUANIA (3)
Natural Gas

➤ Liquefied Natural Gas Terminal, Klaipeda (2 Bill. m ³ / year)	340 M€
➤ Underground Natural Gas Storage Syderiai, Lithuania (0.5 Bill. m ³)	150 M€
➤ Gas pipeline to Poland Amber pipeline (5.5 Bill. m ³ / year)	300 M€
Σ (1+2+3)	11524 M€




PRIORITY PROJECTS - LITHUANIA (4)
Renewables and Energy Efficiency

➤ New Renewable capacities for Electricity and Heat (to reach 23% target)	1000 M€
➤ Renovation of public buildings	3000 M€
➤ Housing modernization programme	12000 M€
Σ (1+2+3+4) 27524 M€	

HOUSING MODERNISATION PROGRAMME

2005- till now	Till 2020
<p>Approved 720 investment projects for 306 mln. USD</p> <p>Implemented 303 projects for 50 mln. USD</p> <p>341 investment projects are approved and in the nearest future will be implemented for 73 mln. USD</p>	<p>Planned to refurbish 24.000 multifamily buildings</p> <p>Expected to be invested 16,5 billion USD</p> <p>Refurbished multifamily buildings can save more than 4TWh energy which value is 383 mln. USD</p>
	


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MINIS

Does nuclear energy belong to a museum?

Can we meet all our electricity needs with renewables?



2009.07.06-07.

The image shows a slide with a white background on the left and a photograph of two nuclear cooling towers on the right. The towers are emitting white steam that forms a large question mark in the blue sky. The slide contains text in green and red, and a date at the bottom left.

No chance without Nuclear !



The image shows two nuclear cooling towers in a field of green corn. Each tower has a large yellow smiley face with black eyes and a curved mouth painted on its front. The sky is blue with white clouds.



MINISTRY OF FOREIGN AFFAIRS OF THE REPUBLIC OF LITHUANIA

Strengthening Intergovernmental Cooperation of Energy Security in the OSCE Countries (in line with the adopted Resolution at the OSCE Parliamentary Assembly in Vilnius, 30.06.2009)

- 1. Sharing information on energy security threats.
- 2. Reducing energy poverty due to international investments.
- 3. Implementing solidarity principle in energy security policy.
- 4. Synergy in research and innovation.
- 5. Common efforts promoting green energy.
- 6. Distributing experience in renewables.
- 7. Physically protecting energy resources and transit routes.



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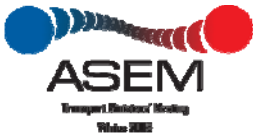


MINISTRY OF FOREIGN AFFAIRS OF THE REPUBLIC OF LITHUANIA

ASIA-EUROPE TRANSPORT DEVELOPMENT FORUM

The First ASEM Transport Ministers' Meeting

19-20 October 2009, Vilnius



Ministry of Transport and Communications of the Republic of Lithuania



ASIA-EUROPE MEETING



2009.07.06-07.

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Thank You for your kind attention!

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