

NUCLEAR ENERGY IN THE SLOVAK REPUBLIC

STATE OF PLAY AND CHALLENGES

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ENERGY POLICY

STRATEGIC OBJECTIVE:

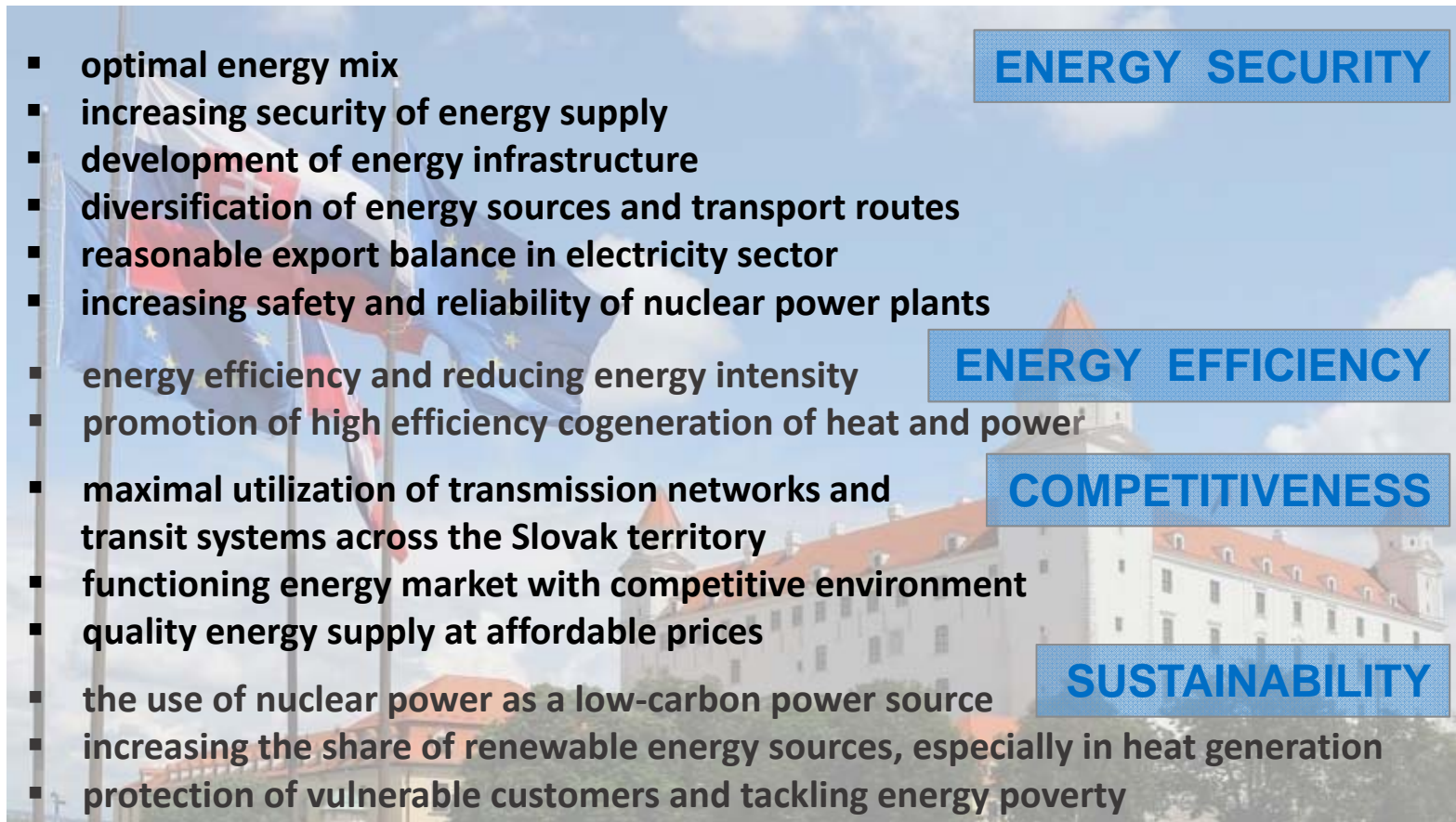
according Energy Policy of the Slovak Republic (2014)

A competitive low-carbon energy industry providing

SAFE RELIABLE EFFICIENT

supply of all forms of energy

**for affordable prices,
while taking into account consumer protection
and
sustainable growth**



- optimal energy mix
- increasing security of energy supply
- development of energy infrastructure
- diversification of energy sources and transport routes
- reasonable export balance in electricity sector
- increasing safety and reliability of nuclear power plants
- energy efficiency and reducing energy intensity
- promotion of high efficiency cogeneration of heat and power
- maximal utilization of transmission networks and transit systems across the Slovak territory
- functioning energy market with competitive environment
- quality energy supply at affordable prices
- the use of nuclear power as a low-carbon power source
- increasing the share of renewable energy sources, especially in heat generation
- protection of vulnerable customers and tackling energy poverty

ENERGY SECURITY

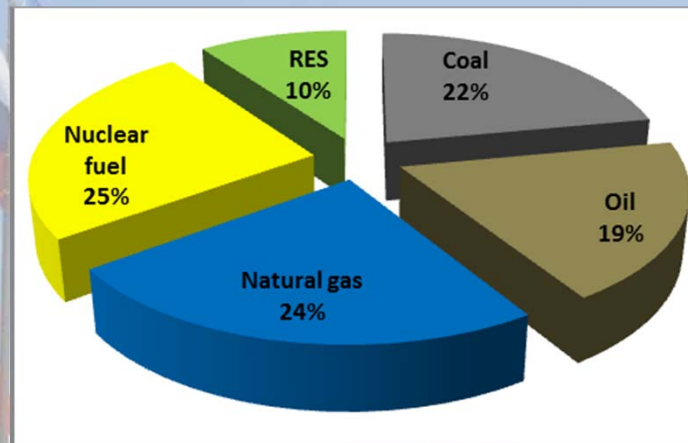
ENERGY EFFICIENCY

COMPETITIVENESS

SUSTAINABILITY

BALANCED ENERGY MIX

Share of energy sources in gross energy domestic consumption in 2014



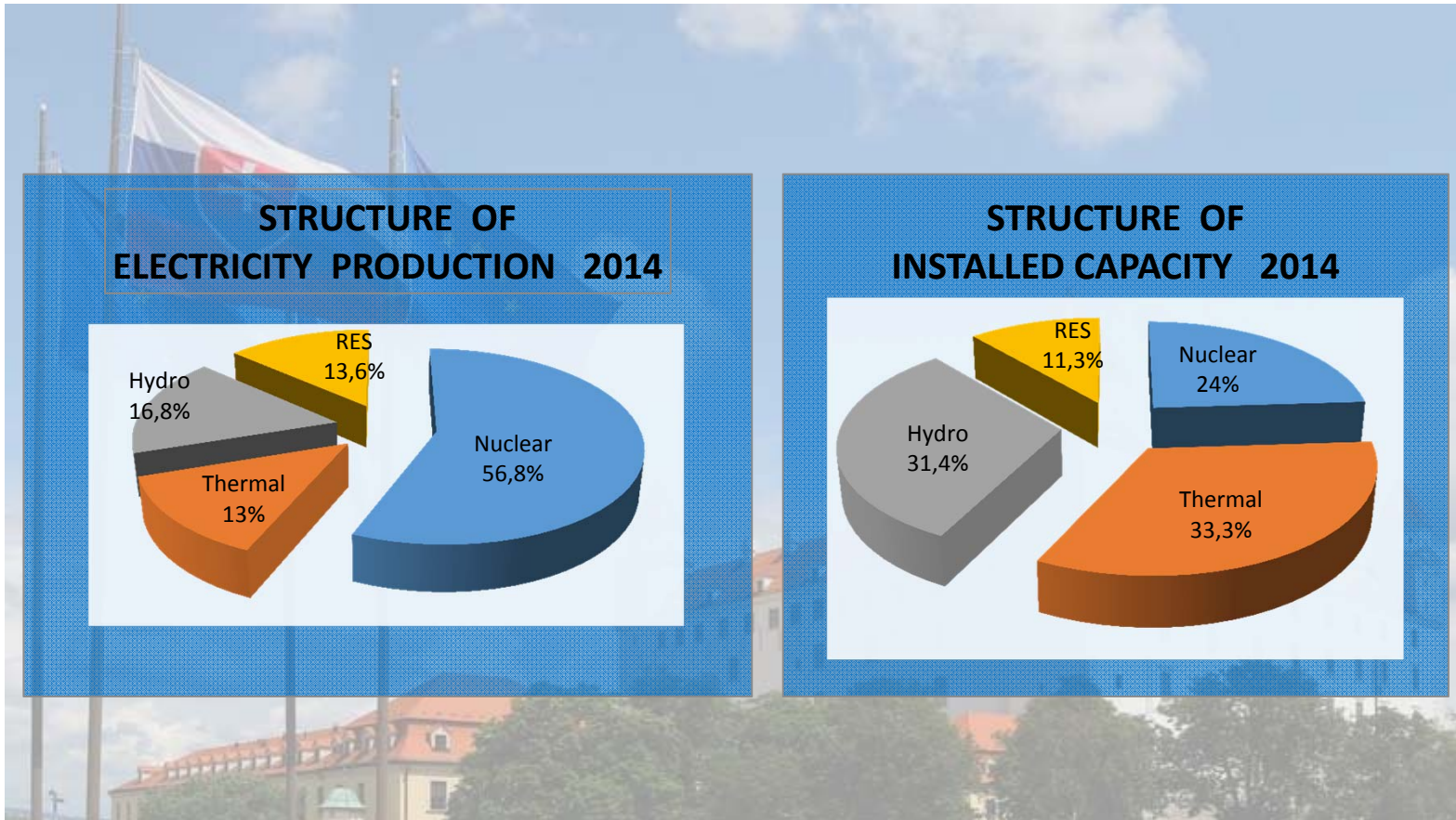
- High dependence on import of primary energy sources: nuclear fuel (100%), gas (98%), oil (99%) and coal (68%)
- High energy intensity (GDC/GDP) of the national economy: target in energy efficiency: to reach 20% savings until 2020
- Nuclear policy - 55% of electricity comes from nuclear sources

ENERGY SECURITY

KEY PRIORITY

to create conditions for diversification of sources
and transport routes in gas, electricity and oil
by improving energy security and enhancing competition on
the energy market

- completing Units No. 3 (2016) and 4 (2017) in the Mochovce NPP
- building a new nuclear source in the Jaslovské Bohunice NPP
- enhancing preference of combined electricity and heat generation
- efficient use of renewable energy resources
- reducing energy intensity by increasing the energy efficiency



NUCLEAR ENERGY POLICY

- **basis in balance of electricity system, important component for security of supply of electricity and sustainable development**
- **enable to decrease risk of dependence from energy sources and fuel price for long term**
- **available technologies and contribution to elimination of CO₂ - cause global warming**
- **Slovakia together with Czechia are host countries of European Nuclear Energy Forum – as a platform for wide discussion about all important nuclear issues - opportunities, risks and transparency**

NUCLEAR ENERGY POLICY

Slovakia has precondition for using nuclear energy as

- safe,
- reliable,
- environmental acceptable,
- field tested
- economically profitable

source of electricity generation capacity

Slovakia

- high public acceptance of this source, sufficient level of information disseminated in public
- clear support of the Government of the Slovak Republic
- high standard of nuclear safety – high expert credit of NRA

NUCLEAR ENERGY POLICY



NUCLEAR ENERGY POLICY



SUSTAINABLE ENERGY

	Europe 2020	2030 climate & energy framework	2050 Paris Protocol
Reduction in greenhouse gas emissions	At least 20% reduction in greenhouse gases emissions (from 1990 levels)	At least 40% reduction in greenhouse gases emissions (from 1990 levels) * Binding target at the EU level	At least 80-95% reduction in greenhouse gases emissions (from 1990 levels)
Improvements in energy efficiency	At least 20% increase in energy efficiency	At least 27% increase in energy efficiency. This target will be reviewed in 2020 having in mind a 30% target.	
Share of renewable sources of energy	At least 20% share for renewable energy in final energy consumption of the EU * 14% in Slovakia	At least 27% share for renewable energy in final energy consumption of the EU * Binding target at the EU level	

SLOVAKIA AND COP21

Paris Agreement 2015

- global clean energy transition
- changes in business and investment behaviour
- provides important opportunities for jobs and growth
- will stimulate investment and innovation in renewable energy
- will increase the growth in markets for EU produced goods and services in the field of energy efficiency

SLOVAKIA AND COP21

Perception of PA from Slovakia

- targets are very ambitious and will require new strategies in all the sectors: energy, transport, agriculture, waste management and forestry
- need for close collaboration across the company. In order to meet its obligations
- need for cooperation not only between the different ministries, but we need the support of the whole society: cities, municipalities, large companies, households.

PRIORITIES OF THE SK PRESIDENCY

Economic and Financial Agenda

Single Market

External Relations

Migration

- **Communication from the Commission: „A Framework Strategy for a Resilient Energy Union with a Forward-Looking Climate Change Policy“, issued on 25th February 2015**
 - Security of supply, sustainability, competitiveness
 - 15 action points
 - Annual State of the Energy Union
- **Communication from the Commission: „The Paris Protocol – A blueprint for tackling global climate change beyond 2020“**
 - COP 21 (the goal of the new agreement is to limit global warming to no more than 2 C increase in Earth temperature till the end of 21st century)
- **Communication from the Commission: „Achieving the 10% electricity interconnection target “**
 - Making Europe's electricity grid fit for 2020

SINGLE MARKET - ENERGY UNION

Balanced and technologically neutral approach to all 3 objectives of the EU energy policy: competitiveness, security and sustainability

Energy security

- common Council position on the security of gas supply regulation
- decision on the intergovernmental agreements in the field of energy

Competitiveness

- economic growth in the EU during the transition to low-emission economy needs to be underpinned by energy and climate policy measures that take into account impacts on the competitiveness

Energy efficiency

- agreement with the EP on the energy labelling



THANK YOU FOR YOUR ATTENTION!



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