



Potential Role of Nuclear Energy in Estonian Power Production in 21st Century

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Storyboard

Strategic Goals of Estonian Power Sector

Developments in the neighbouring markets

Government steps on nuclear regulation

Political questions to be solved



Energy Policy Guidelines for the Power Sector

Estonia must be able to cover its power needs with local capacities

Fair Competition must be ensured in the Power Market

Diversity and balance among the energy resources must be encouraged



Why Nuclear Power is Considered?

Changes in CO2 emissions trading principles from 2013

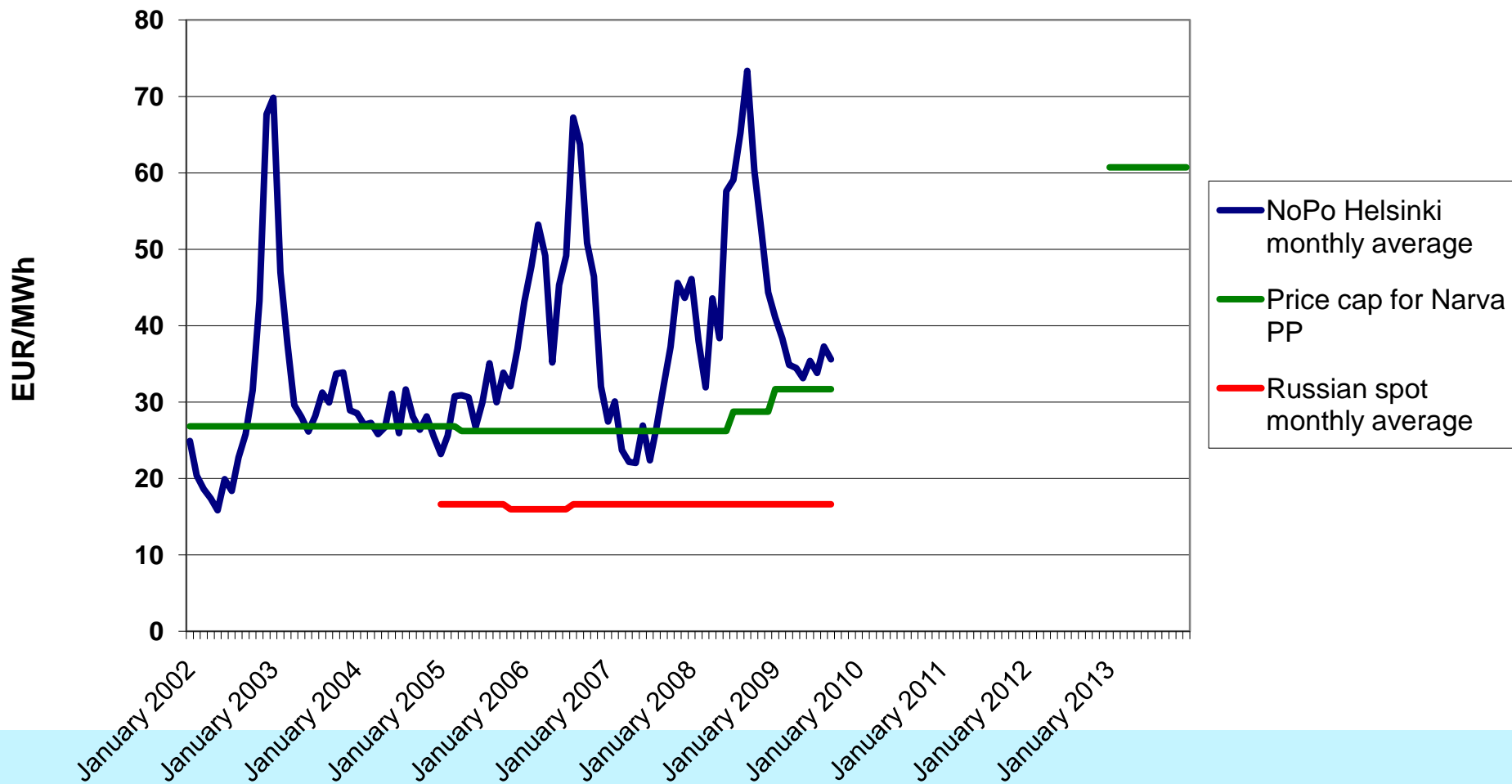
Environmental impact of oil-shale based power production

High dependence on Natural Gas is not an option for
Estonia

Wind Power production fluctuations limit their potential

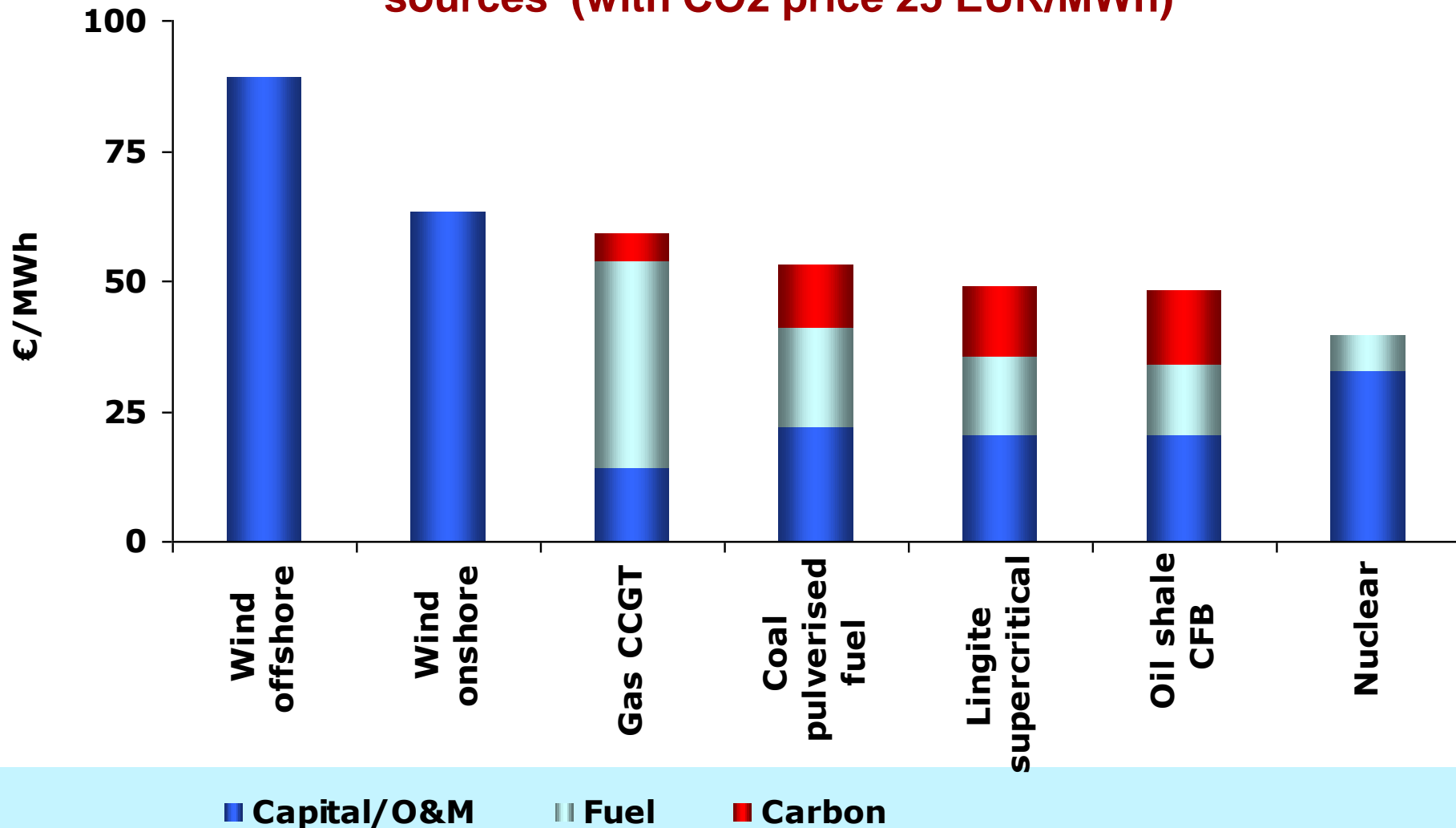


Power price in Estonia and in the neighbouring markets





Potential Price of Power from different energy sources (with CO₂ price 25 EUR/MWh)





Developments in Neighbouring States

New Nuclear Capacities in Lithuania

- Capacities available? Timetable? Market Structuring?

New Nuclear Capacities in Finland

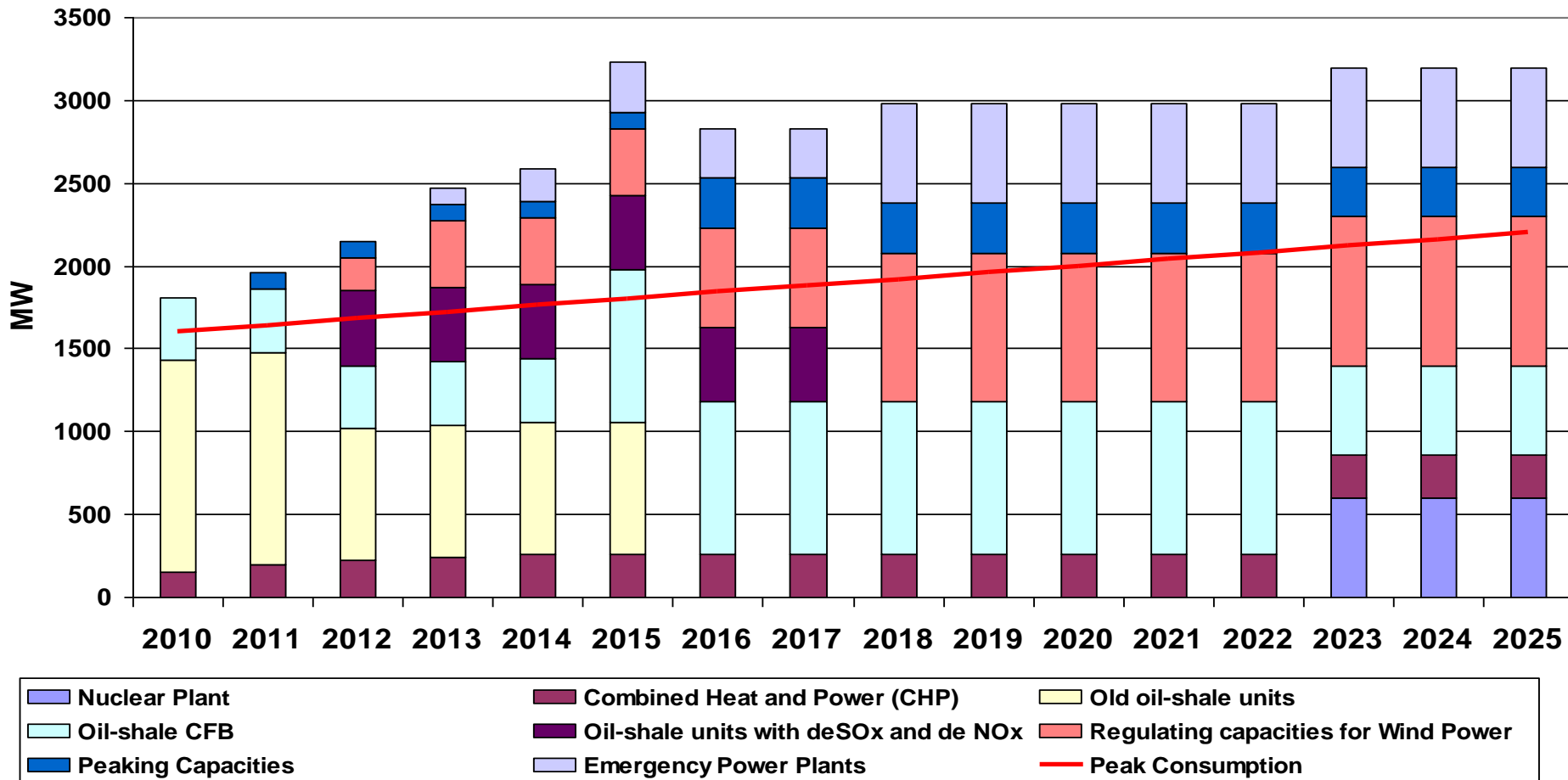
- Capacities available? Timetable? **Market?**

New Nuclear Capacities in Russia (Sosnovi Bor, Kaliningrad)

- Capacities available? Timetable? Market?



Expected development of Estonian power capacities





What steps towards Nuclear are needed?

Nuclear Legislation update by 2012

Political Decision for building by the Parliament

Planning Procedures, EIA

Plant tender preparations, financing package

Potential building time 2015-2023 earliest



First political issues to be discussed and decided

Whether 2nd Generation nuclear reactors would be allowed in Estonia?

Whether Estonia would allow the export oriented nuclear power production and export of nuclear waste?

Government as the planner of the site versus companies as planners?



Thank You for Attention!