

DEMAND FORECASTS FOR BALTSO POWER SYSTEMS

(2008-2030)

(Executive summary)

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Executive summary

Transmission system operators in Baltic power systems in Estonia, Latvia and Lithuania has obligations to plan and develop their transmission systems. One of the most important transmission system planning tasks is to make proper electricity demand forecasts. Depending on demand forecasts are making transmission grid development plans and generation adequacy plans, to timely predict system needs and make properly decisions.

This report summarises energy demand and peak load forecasts in Estonia, Latvia and Lithuania for the period from 2007 to 2030.

Energy demand forecasts for Baltics are based on long-term economic evolution prognosis and presented in three demand growth scenarios:

- Optimistic scenario - considered to prove the power system ability to supply possible maximal demand growth, starting from 3.6 % annual energy demand growth in year 2009 till 2.7 % in year 2030.
- Base scenario - presumes most probable energy demand growth, starting from 2.4 % annual energy demand growth in year 2009 till 1.6 % in year 2030.
- Pessimistic scenario - presumes slowest energy demand growth, starting from 1.4 % annual energy growth in year 2009 till 1.0 % in year 2030.

Summary energy demand forecasts for Baltic power systems are presented in following figures 1-3.

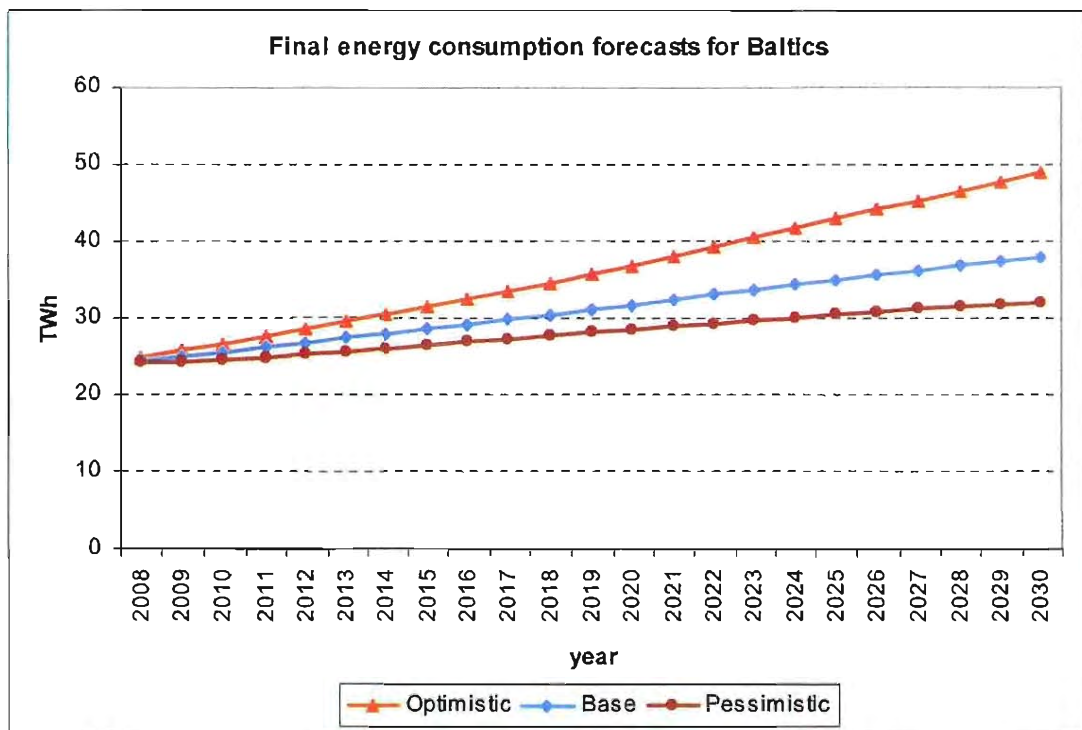


Figure 1 Final energy consumption forecasts for Baltics

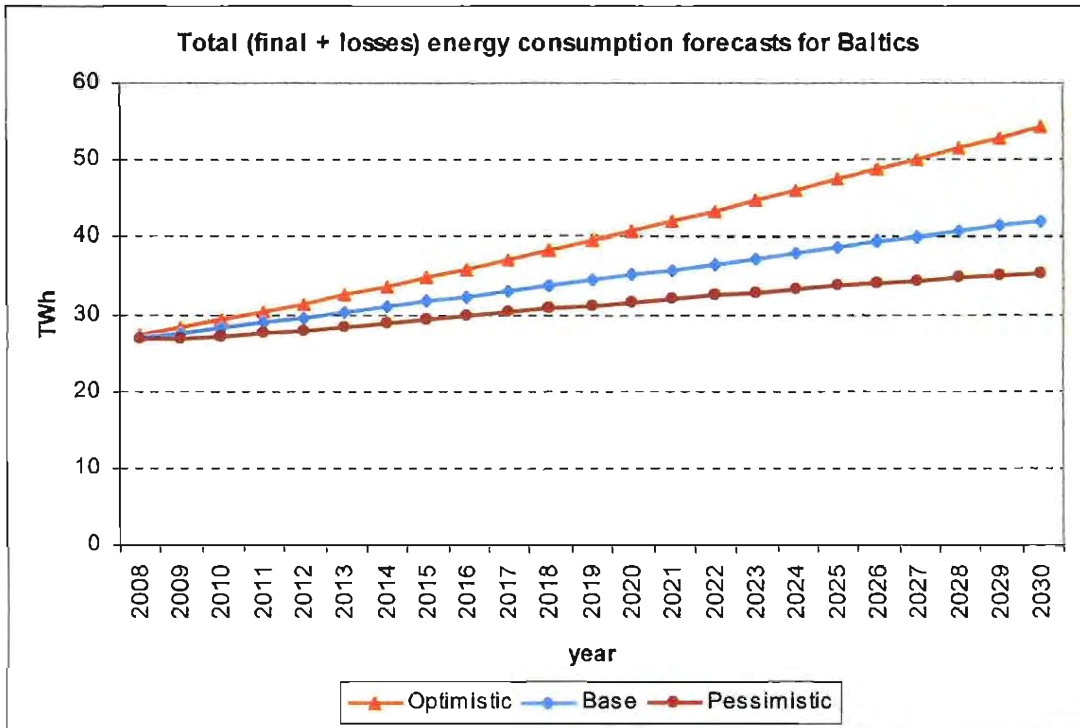


Figure 2. Total (final + network losses) energy consumption forecasts for Baltics

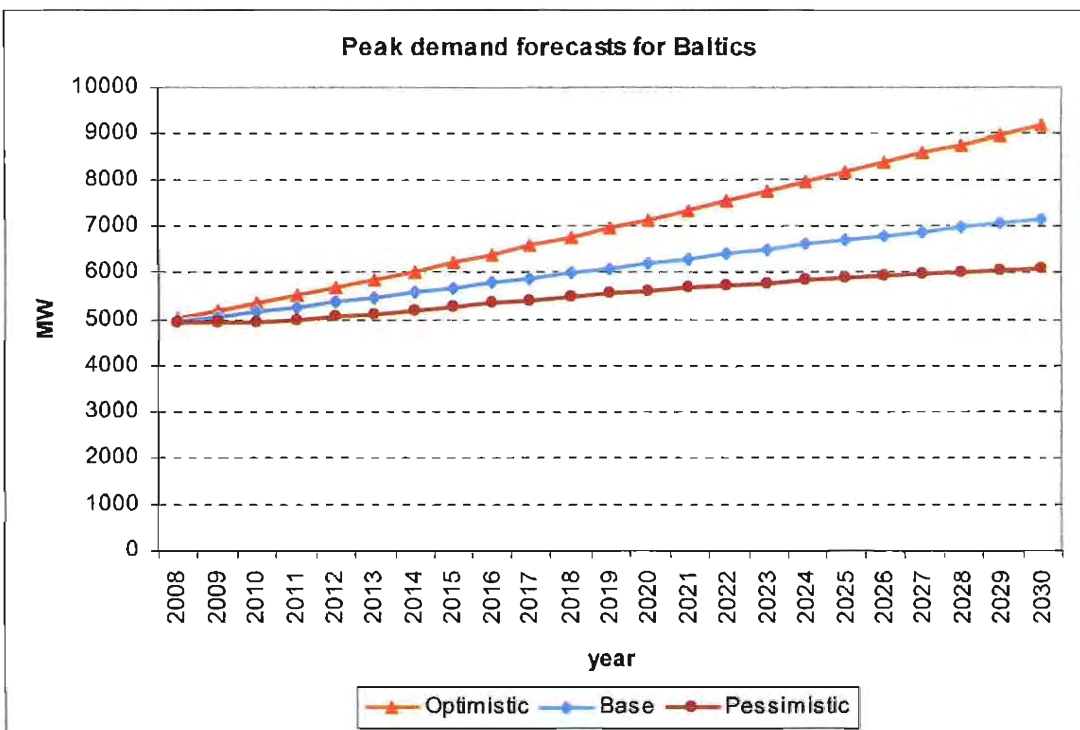


Figure 3. Peak demand forecasts for Baltics