

National Desk - Slovenia

REALISE

Renewable energy and liberalisation in selected electricity markets - Forum

Issues in Slovenia

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Society for energy
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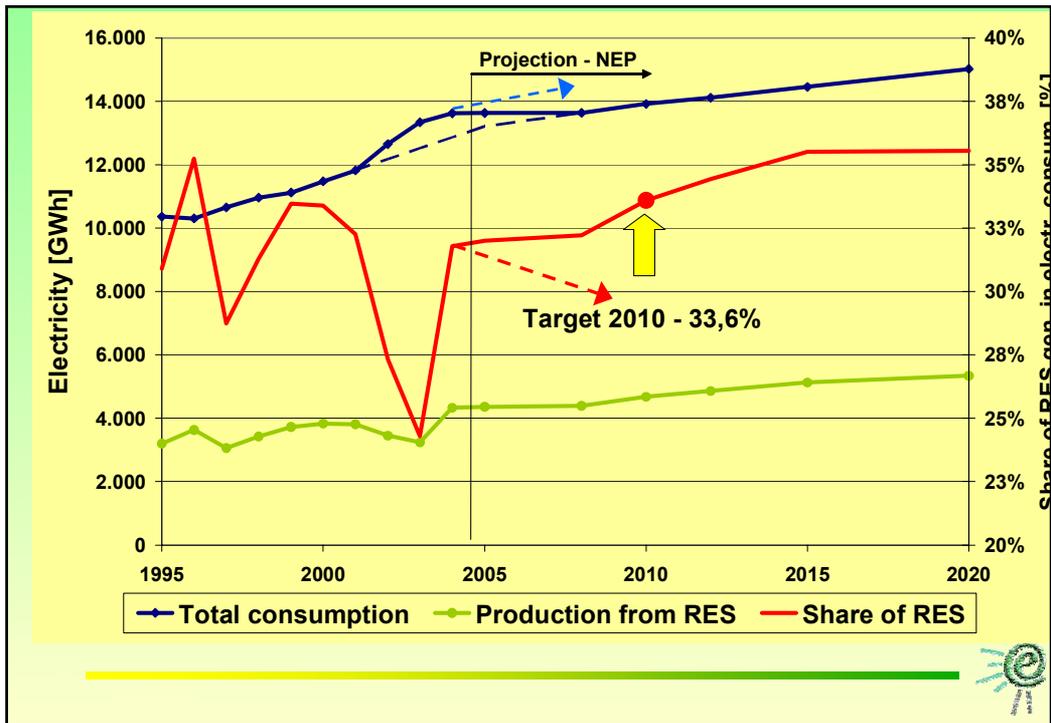


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RES situation in Slovenia (1)

- **~ 30% RES in electricity consumption**
 - No. six place in EU, after: A, S, SF, LT, P; (+N)
 - Goal: 33.6% in 2010
 - Problem: Consumption of electricity grows quickly
 - Solution (?): "Largest project in Europe", the Lower Sava project, ~200 MW, 800 GWh (~6% consumption)
- **Support system in place: feed-in tariff**
 - Few projects
 - Good-will of the power sector questionable
 - power sector projects only





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RES situation in Slovenia (2)

- **RES – Environment conflicts**
 - Wind farm(s) on the ridges of Karst
 - A mid-sized HPP – HE Moste on the Sava River
 - Both projects stopped by local/national environmental initiatives

- **Power sector / Government / Private owners disputes**
 - Distribution companies would sell “Green Electricity”
 - Keep others away from the market (EkoWatt co.)

 - HSE (“Holding Slovenskih Elektran”) is marketing RECS, based on the old (large) HPP
 - RECS versus EU directive “certificate of origin”?
 - Can Slovenia sell Green certificates in view of the obligations taken by signing the EU Contract ?

RES-E in Slovenia – an ongoing debate

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STATEMENT ON RENEWABLE ENERGY SOURCES accompanying preparations for the National Energy Programme (NEP) Position of the Slovenian E-forum and a proposal of position of non-government organisations (May 2003)

Short statement of NGO on National energy programme and Renewable energy sources (RES):

First Slovenian priority is reduction of energy intensity,
 second priority is reduction of all damage to the environment from energy activities,
 third priority and tools for fulfilment of the first two goals are:

- internalisation of „external“ costs and environment reform of public finances,
- measures for more efficient use and energy transformations,
- development of local energy systems and
- substitution of non-renewable energy source with renewable ones!

At the same time the costs of energy supply should be optimised and reliability increased.

Renewable energy sources (RES) can contribute to sustainable development and to the four



REALISE – Slovenian desk

- **Represented on the Slovenian desk - stakeholders:**
 - **HSE – dominant producer – “Blue electricity”**
 - **Dist.Co (incumbent network operators – suppliers), out of the total of five, three are active in “green electricity” marketing & on the Slo. desk:**
 - **Ljubljana, Celje, Maribor**
 - **EkoWatt Co. – marketing RES-E from private small hydro**
 - **Three environmental organisations**
 - **Agency for Energy (AGEN-RS) – the regulator and the designated agency for certification of origin**
 - **Zveza potrošnikov Slovenije – Consumers’ organisation**
- **In the REALISE steering committee:**
 - + **representative of the government**
- **1st event: “Setting of the agenda”, May 26, 2005**
- **National Hearing – late October 2005**



Topics for the national debate

- **A: Comparison of RES-E support schemes:**
 - Overview, experience, how-to in Slovenia (market structure)
- **B: RES-E and the environment**
 - Is “renewable” = “green” and when; Gold Standard ...
- **C: A renewable strategy for Slovenia**
 - What are realistic potentials of water, wind, biomass ...
 - Central or Decentral? (ownership, size/scope)
 - Projects, mechanisms, targets
- **D: EU – wide co-ordination / harmonisation of RES-E support**
- **Debate invariably spreads all the way to the general world view**
 - Web page & Forum (wiki)
 -

Special national focus

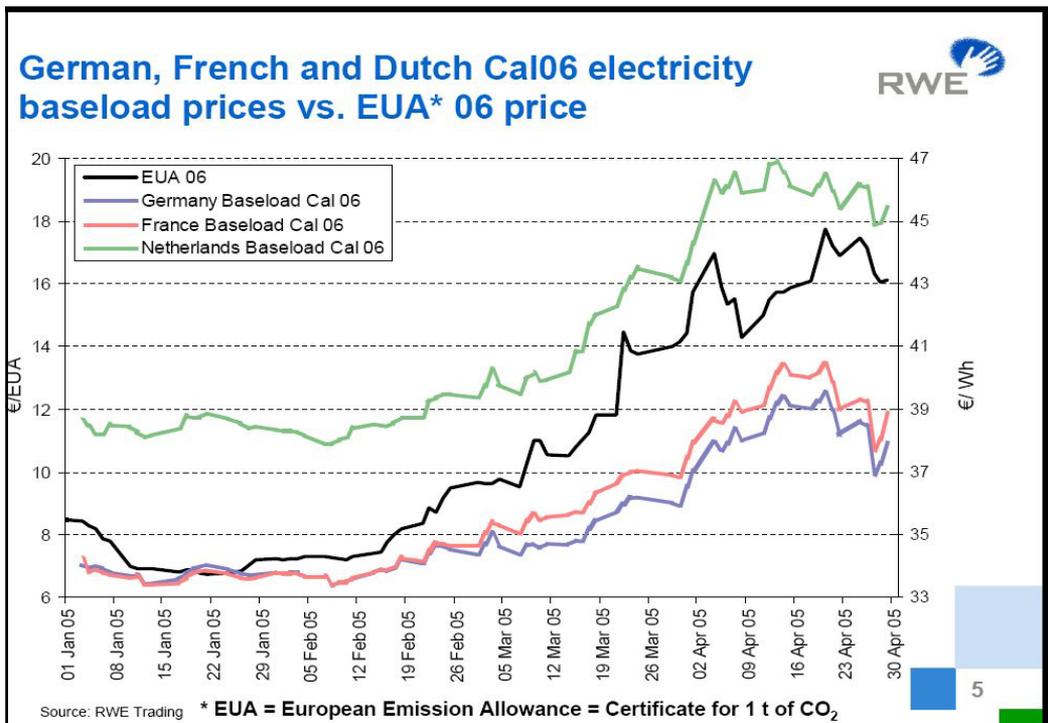
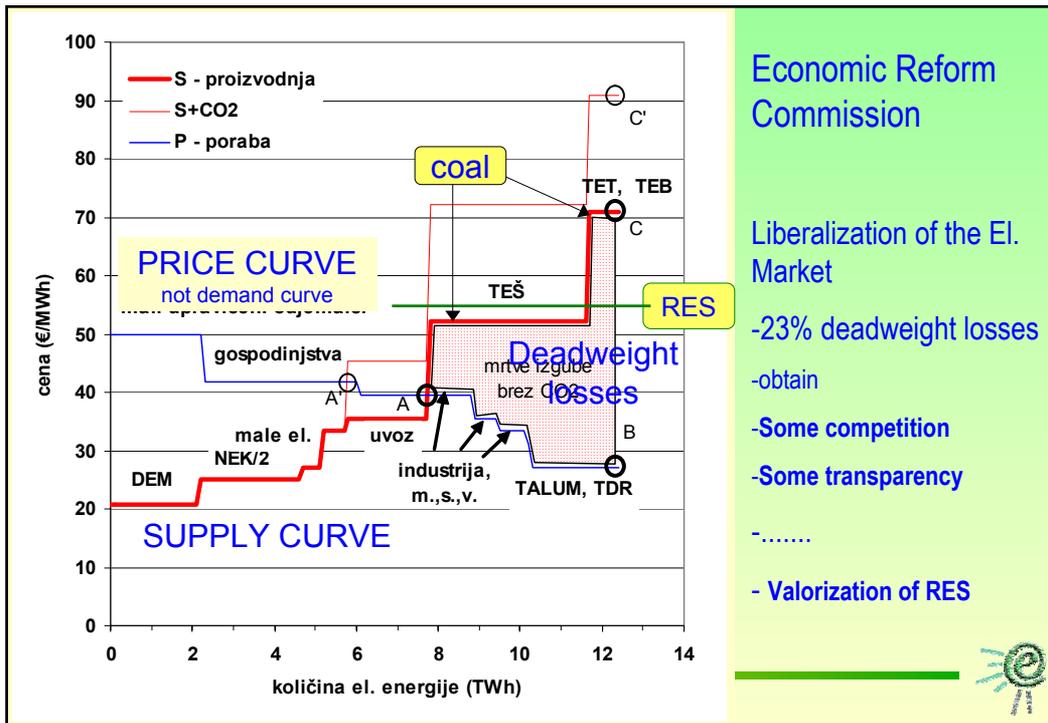


National events

- **“National Economic Reform” – Liberalization**
 - Revival of bulk Market trading
 - Remove the de-facto (coal+old hydro) monopoly
 - Absolute uncertainty til government statemen on the expert proposal October 15. 05
- **Main topic for REALISE National Hearing end October 05**
 - “RES in Slovenia: for Protection of the Environment?”
Green Electricity Standards
- **NEEDS Project Forum: Central vs Decentral Electricity**
 - November 11-12, 2005
- **Joint REALISE Project event 2006**

POSTPONED
for 6-12 months





Feed-in tariff vs. Certificates

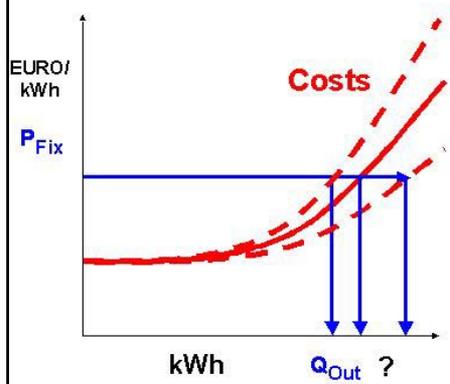


Fig. 1a. How a feed-in tariff works

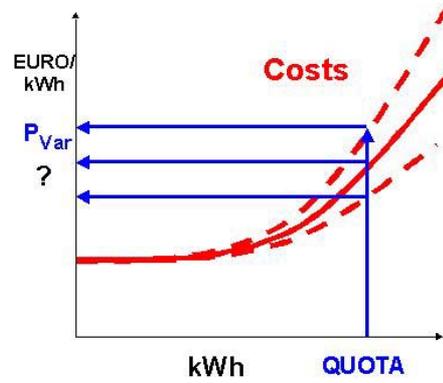


Fig 1b. How a TGC-based quota works

