

Strategy 2050 for Switzerland

Which impact for gas?



notre énergie,
votre avenir

Brussels, Dec 11, 2012
UNECE
RB/HB



Gaznat – key facts (2011)

- Headquartered in Vevey, main dispatching in Aigle
- 10'255 GWh gas sales
- Peak gas capacity delivered 3'037 MW
- Annual turnover CHF 532 millions
- 600 km of pipelines, 50 gas stations





Federal Council introduced new strategy on Dec.1, 2011



- High level of security of supply
- Ban on nuclear energy
- Existing nuclear plants will not be replaced
- Ambitious target of energy savings/efficiency

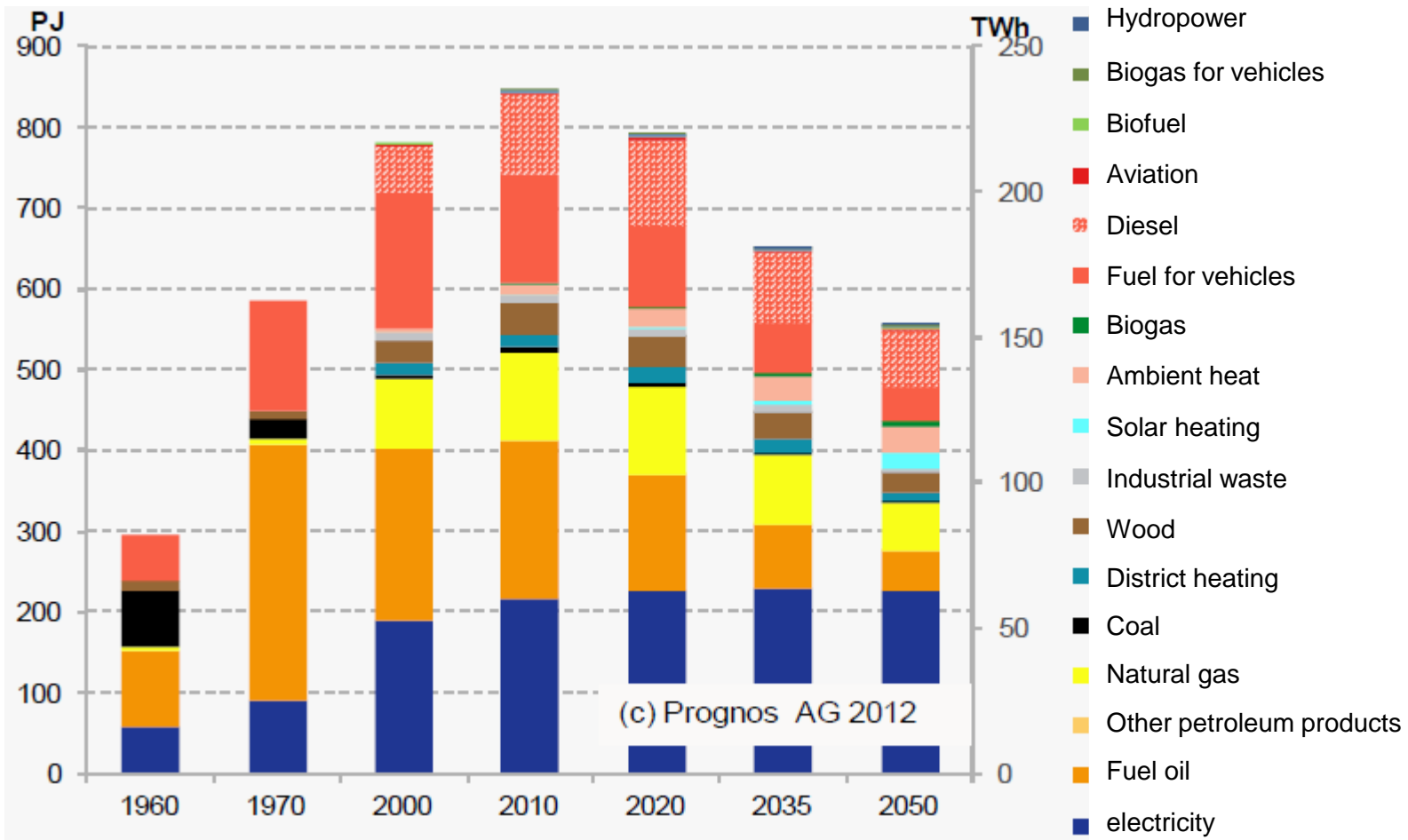




- **Autonomy: reduce dependency vs other countries**
- **Reduce energy consumption in 2050 (base 2000)**
 - global consumption by 30% (70 TWh) in 2035, by 50% in 2050
 - electricity by 30% (21 TWh)
- **Increase the renewable energy production by 33%**
- **Development of cogeneration (350 kW to 20 MW)**
- **Maintain carbon tax and feed-in tariffs**
 - CO₂ tax: €30/ton (4 times more than in EU)
 - tax on electricity for feed-in tariff: 0.35€/kWh
- **Building efficiency: budget of CHF 600 millions/year**



Energy mix targeted by 2050





Development of cogeneration

- Quantitative goal: +1'000 MW in 2025
- Range of power : 350 kW to 20 MW
- Introduction of a feed-in tariff for cogeneration
- Conditions:
 - CO₂ neutral
 - Minimal requirements in terms of efficiency

? : why not equipment with electric power < 350 kW





Gas could play a bigger role

⇒ Several solutions to ensure:

- Security of supply
- Competitive production of electricity
- Reduce CO2 emission

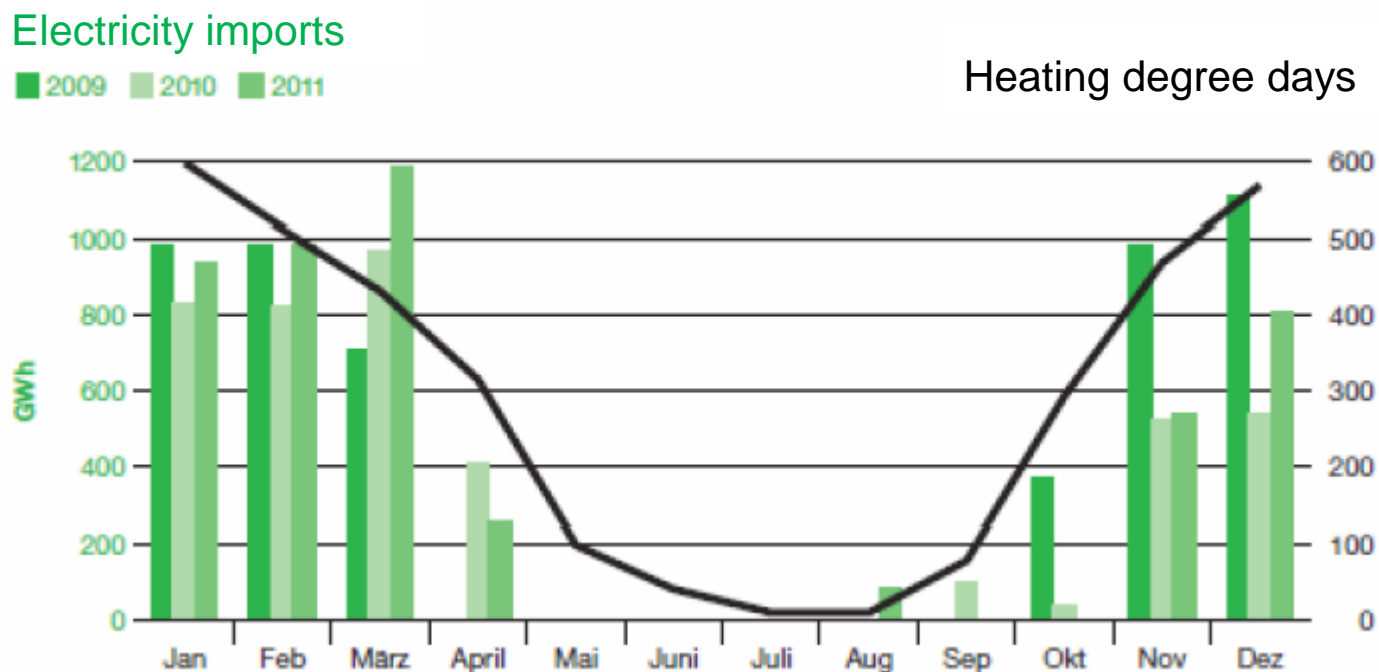
⇒ Cogeneration (small, medium, large-sized)

- Decentralized combined production of heat and electricity
- High energy yield (90%)
- Peak production in winter, when most needed



Electricity imports and climate

- ⇒ Strong correlation between imports and heating degree days
- ⇒ Gas has a key role to play

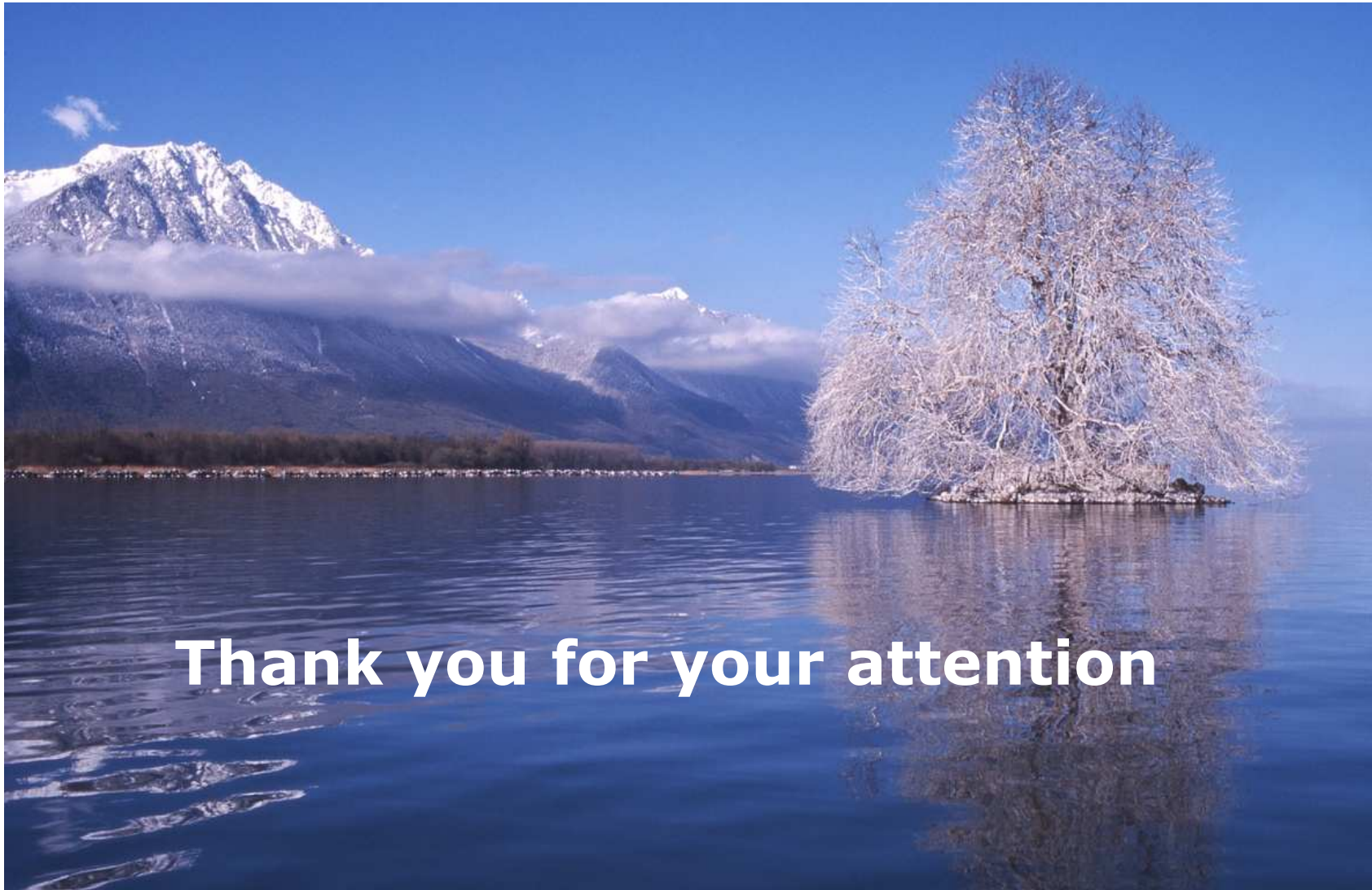




- ⇒ The strategy is currently being reviewed by stakeholders
- ⇒ Final decision on December 2013
- ⇒ **Importance of lobbying for the gas industry**

? : why





Thank you for your attention

