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WP 2

The changing role of energy companies in Switzerland

Introductory presentation

Reto Müller

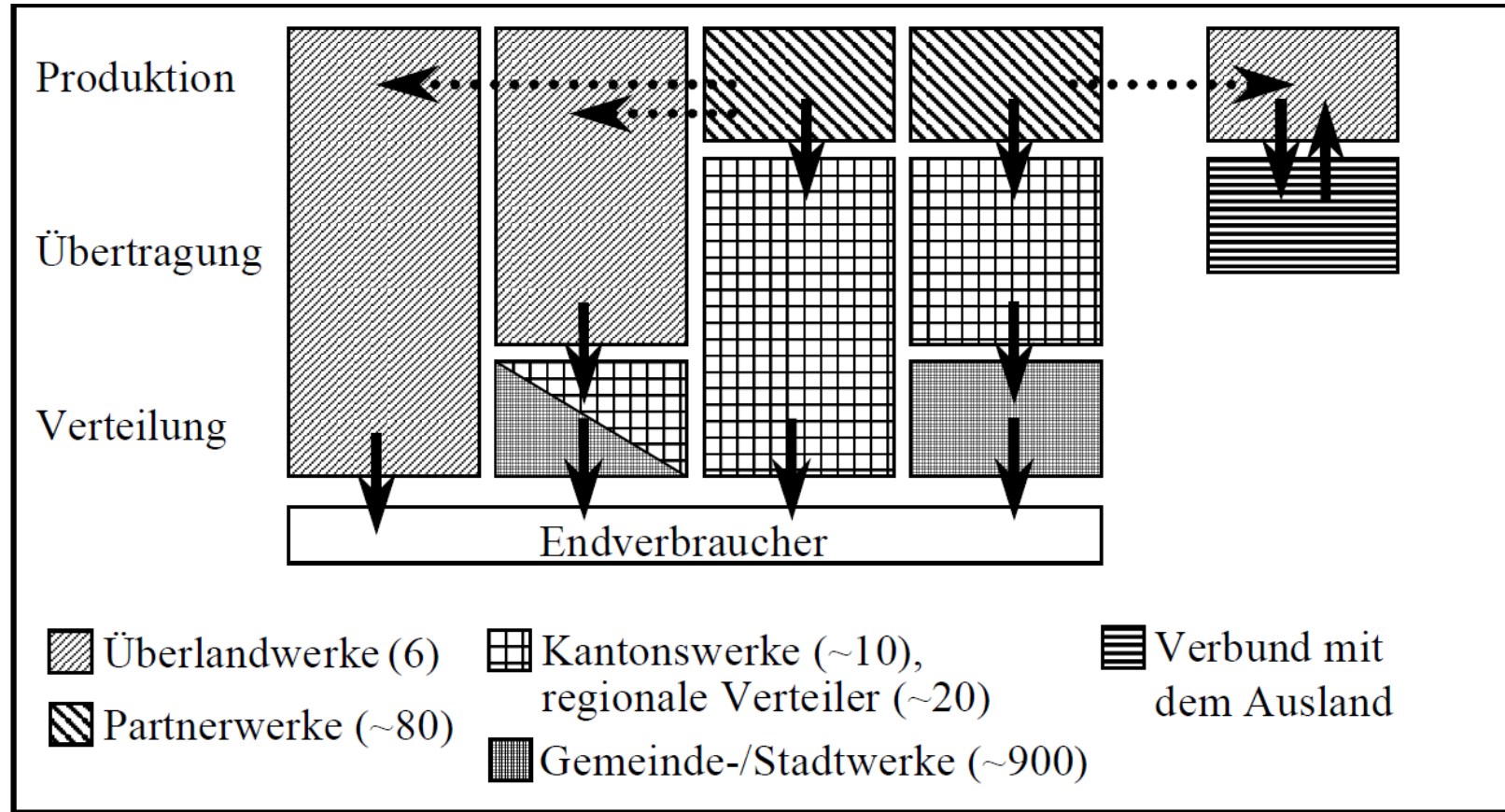
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SELA General Assembly 2023

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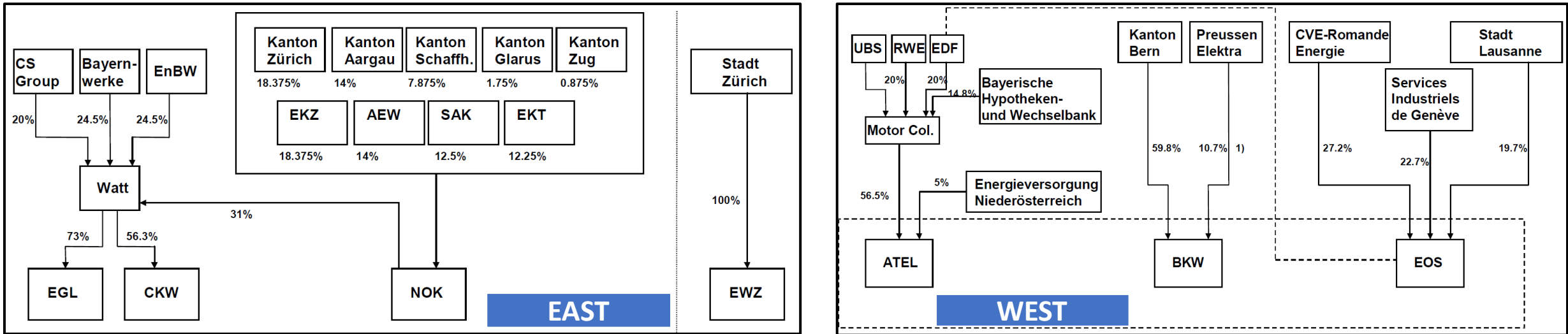
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The «old world»



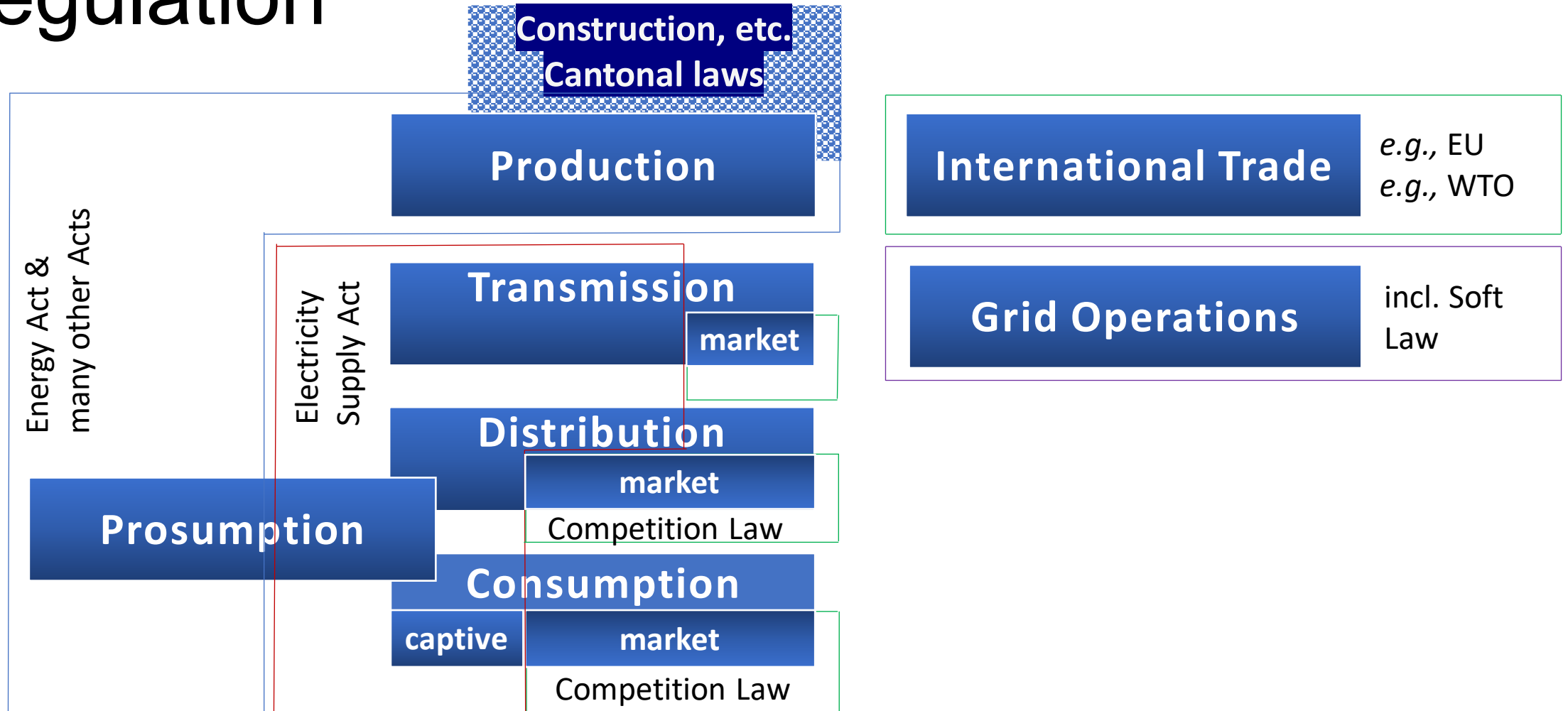
Structure prior to the liberalisation (Botschaft EMG, BBl 1999 7379, 7381 ff.)

The «old world»



Structure prior to the liberalisation (Botschaft EMG, BBl 1999 7379, 7381 ff.)

Regulation



European Markets: Generation Capacities

- IEA, World Energy Outlook 2022
 - New power capacities till 2050
- Energy Brainpool (Blog)
 - installed generation capacities EU-27 (plus NO, CH and UK)

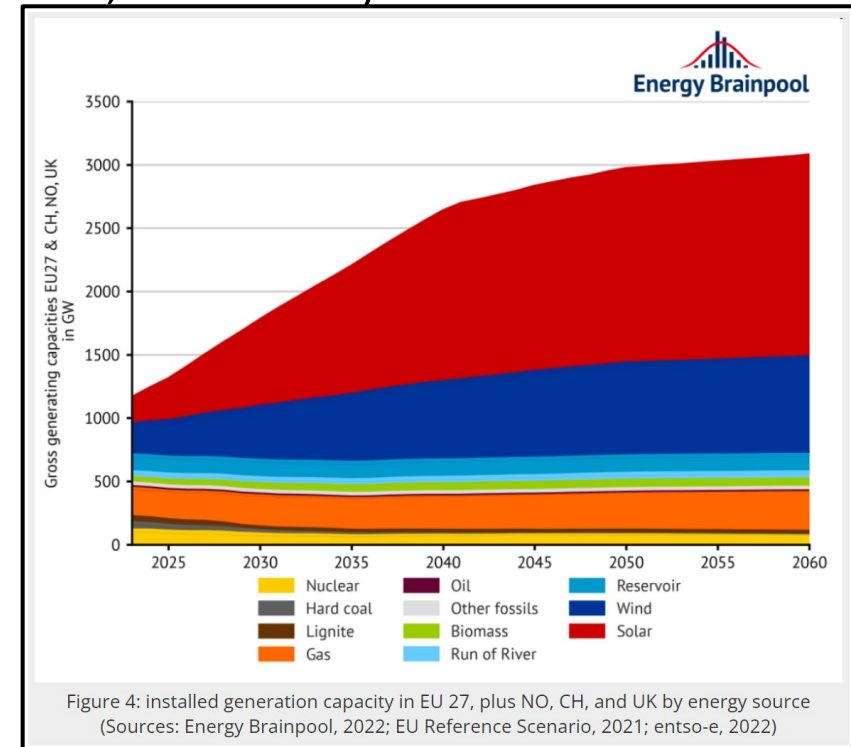
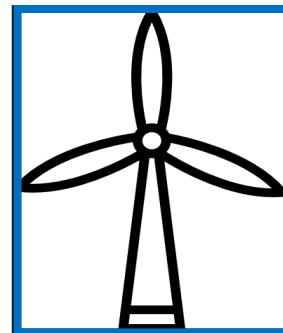
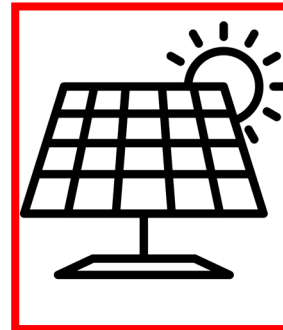
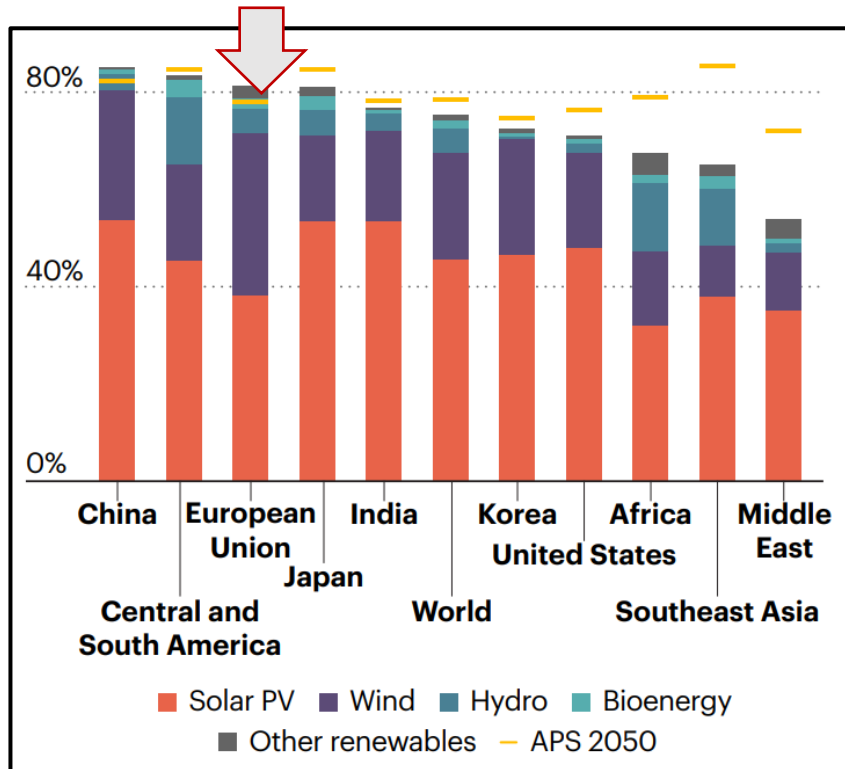
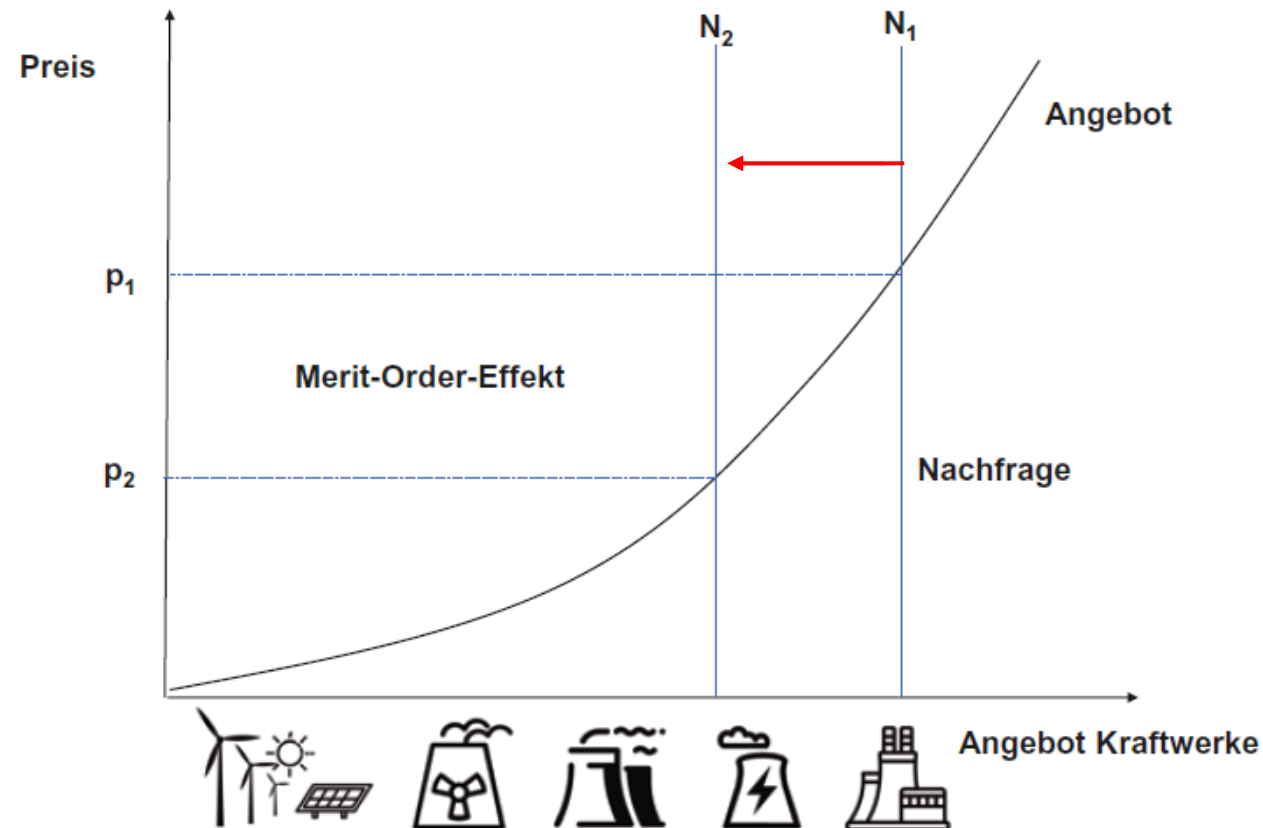


Figure 4: installed generation capacity in EU 27, plus NO, CH, and UK by energy source (Sources: Energy Brainpool, 2022; EU Reference Scenario, 2021; entso-e, 2022)

European Markets: Merit Order



Marcel Linnemann, Energiewirtschaft für (Quer-)Einsteiger, 2021, 145

- Energy Only Market
- Political Goals
 - Expansion (normative) renewable energies
 - Financial incentives
- Preferred new capacities
 - Lower capital (or operating) costs
 - Lower incremental costs
- Existing capacities
 - Missing money
 - Squeezed out of the market (deliberately)
 - Change in market structure

Domestic framework conditions

Preiskomponenten ⓘ

Kategorie: H4, Produkt: Standard

Total

30,4 Rp./kWh 2024, Energie Wasser Bern, Bern

Netznutzung

13,35 Rp./kWh 2024, Energie Wasser Bern, Bern

Grid

Energie

12,1 Rp./kWh 2024, Energie Wasser Bern, Bern

Energy

Abgaben an das Gemeinwesen

2,65 Rp./kWh 2024, Energie Wasser Bern, Bern

Netzzuschlag gem. Art. 35 EnG

2,3 Rp./kWh 2024, Energie Wasser Bern, Bern

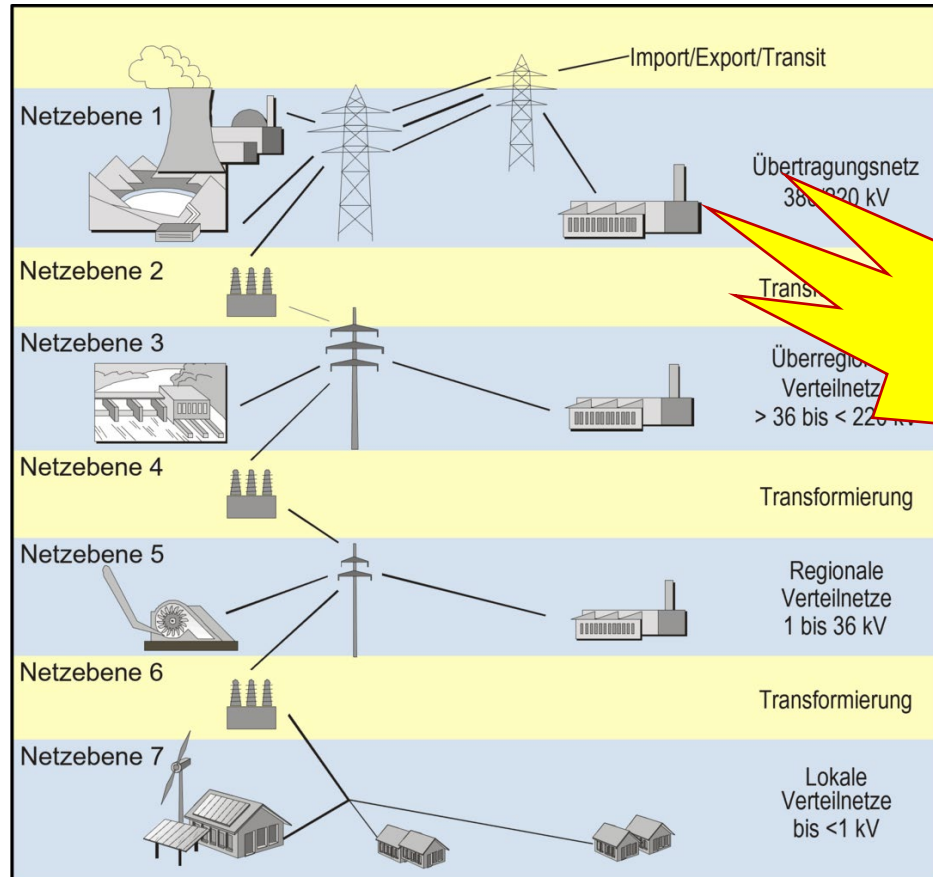
Supplement fee for grid usage

Eidgenössische Elektrizitätskommission ElCom - Tarifvergleich in Rp./kWh

- Grid
 - Regulation **«protected»**
 - Cost Plus, WACC, etc.
- Energy
 - Basic supply **«not too bad»**
 - «Generation costs»
 - «Average price method»
 - Consumers in the market **«tricky»**
 - Market Price
- Supplement fee
 - Financing «subsidies» **«wanted»**
 - Financing «special markets»
- International **«very tricky»**

Domestic framework conditions

- Grid
- Production (examples)

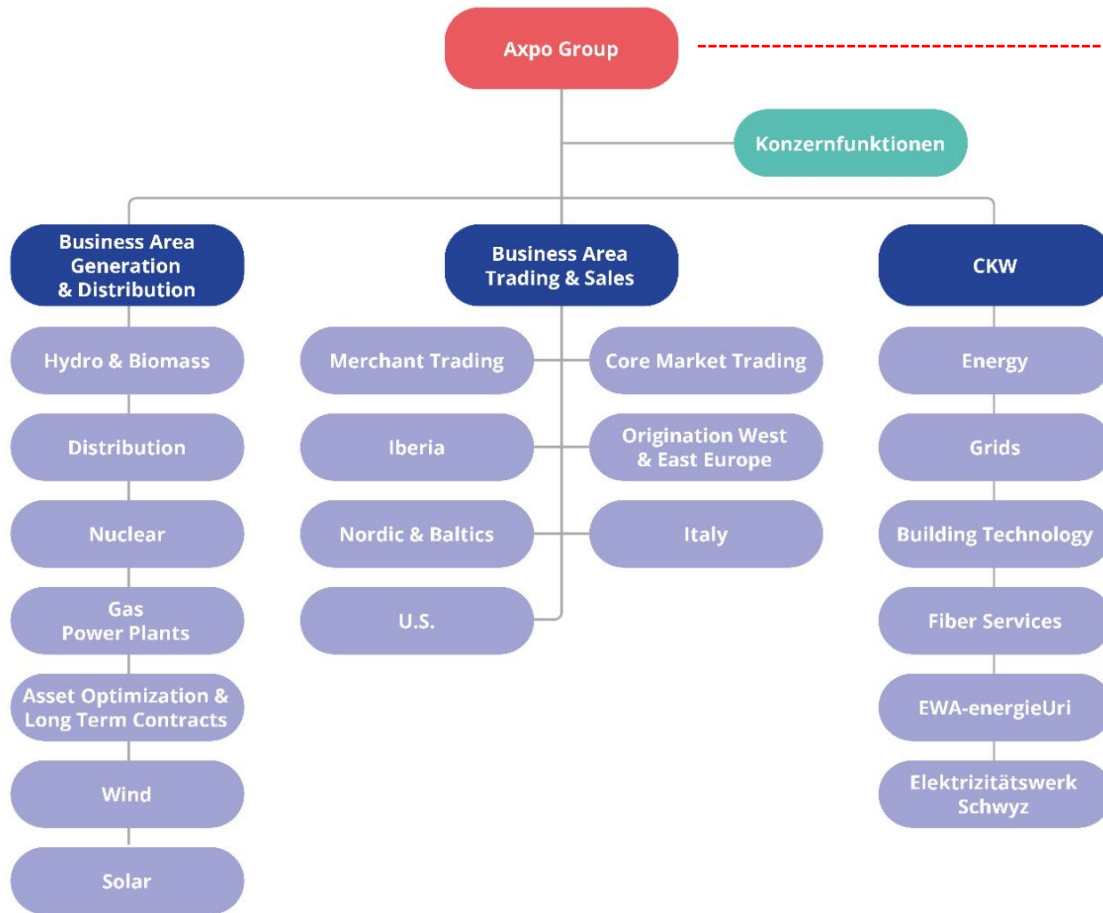


Security of supply

Quo vadis?

- **Developments**
 - **Implementation grid strategy**
 - ☞ Confederation / grid providers
 - **Funding Renewable Energies**
 - ☞ Confederation / European states
 - **Subsidy for large hydropower**
 - ☞ Confederation
 - **Hydropower/Winter reserve**
 - ☞ Confederation / producers
 - **Emergency power plant**
 - ☞ Confederation
 - **Electricity Agreement?**
 - ☞ Confederation – EU
 - **Exclusion Swissgrid from markets**
 - ☞ EU (Commission)
- **Responsibilities**
 - **Grid (federal legislation)**
 - Transmission grid
 - ☞ Confederation / Swissgrid (TSO)
 - Distribution grid
 - ☞ States / state owned companies
 - **Production**
 - Energy only market
 - ☞ «the economy»
 - Scaling up renewables
 - ☞ (state financed) economy
 - **Security of Supply**
 - Confederation
 - Highest subsidiary

Quo vadis?



- 100 % state owned
 - Zürich
 - 18,342 % directly
 - 18,410 % by EKZ
 - Aargau
 - 13,975 % directly
 - 14,026 % by AEW Energie AG
 - Schaffhausen 7,875 %.
 - St. Gallen
 - 12,501 % by SAK AG
 - Thurgau
 - 12,25 % by EKT Holding AG
- States' duties/Strategy?

Further information

- **International Energy Agency, Energy Policy Review Switzerland 2023**
- **International Energy Agency, World Energy Outlook 2022**
- **European Commission, Energy Roadmap 2050**
- **www.ELCOM.admin.ch → Documentation → Mitteilungen**
- **Strategische Verantwortung oder verantwortungsvolle Strategie? Über Zuständigkeiten von Bund und Kantonen in der Stromversorgung, Schweizerische Juristen-Zeitung, 15. November 2023**

Discussion



Stay tuned for... **SURE**

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