

# Vattenfall at a glance

## Vattenfall:

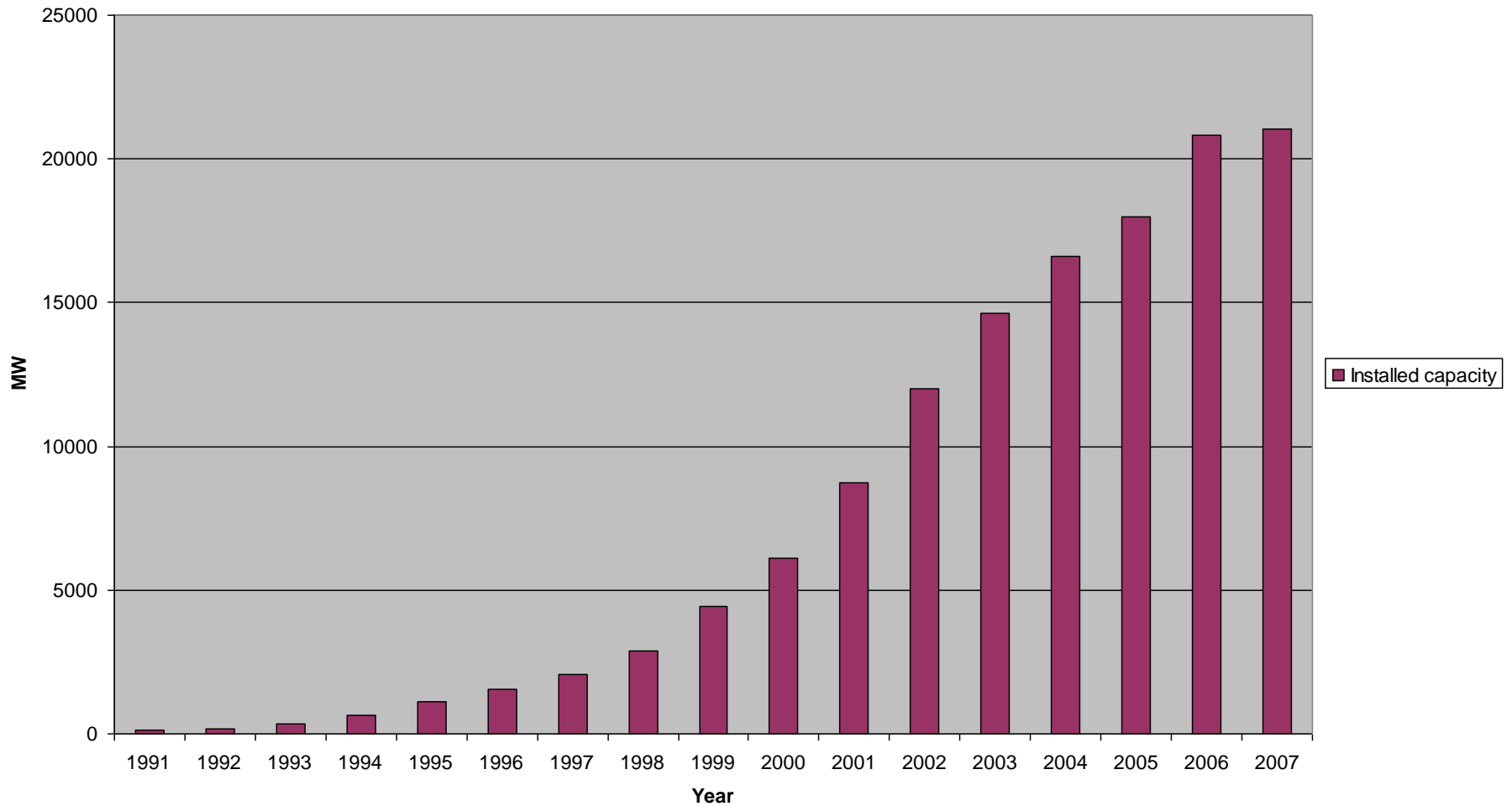
- Generates, distributes and sells electricity and heat
- 32,300 employees (Man-years as of Dec 2006)
- Total electricity sales: 214.3 TWh in 2006 \*
- Electricity generation:
  - 164.5 TWh in 2006
  - Installed capacity 35.000 MW
- Heat production and sales:
  - 35.2 TWh in 2006
  - Installed capacity 19.000 MW

\* includes deliveries to minority owners

# Renewable Energies

# Wind power development in Germany

Windpower



# German Market

## Consumption

Min. 33.000 MW

Max 88.000 MW

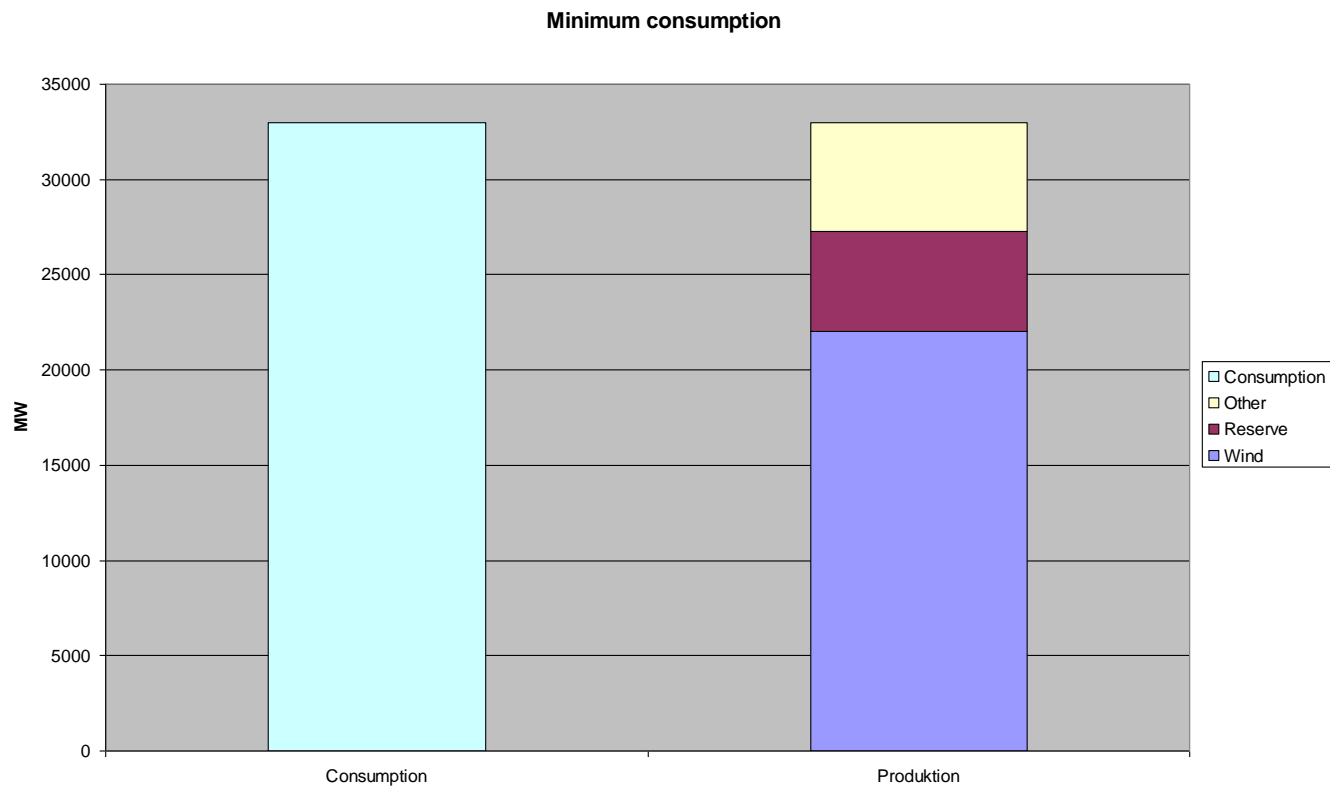
## Reserve power

Pos 7.114 MW

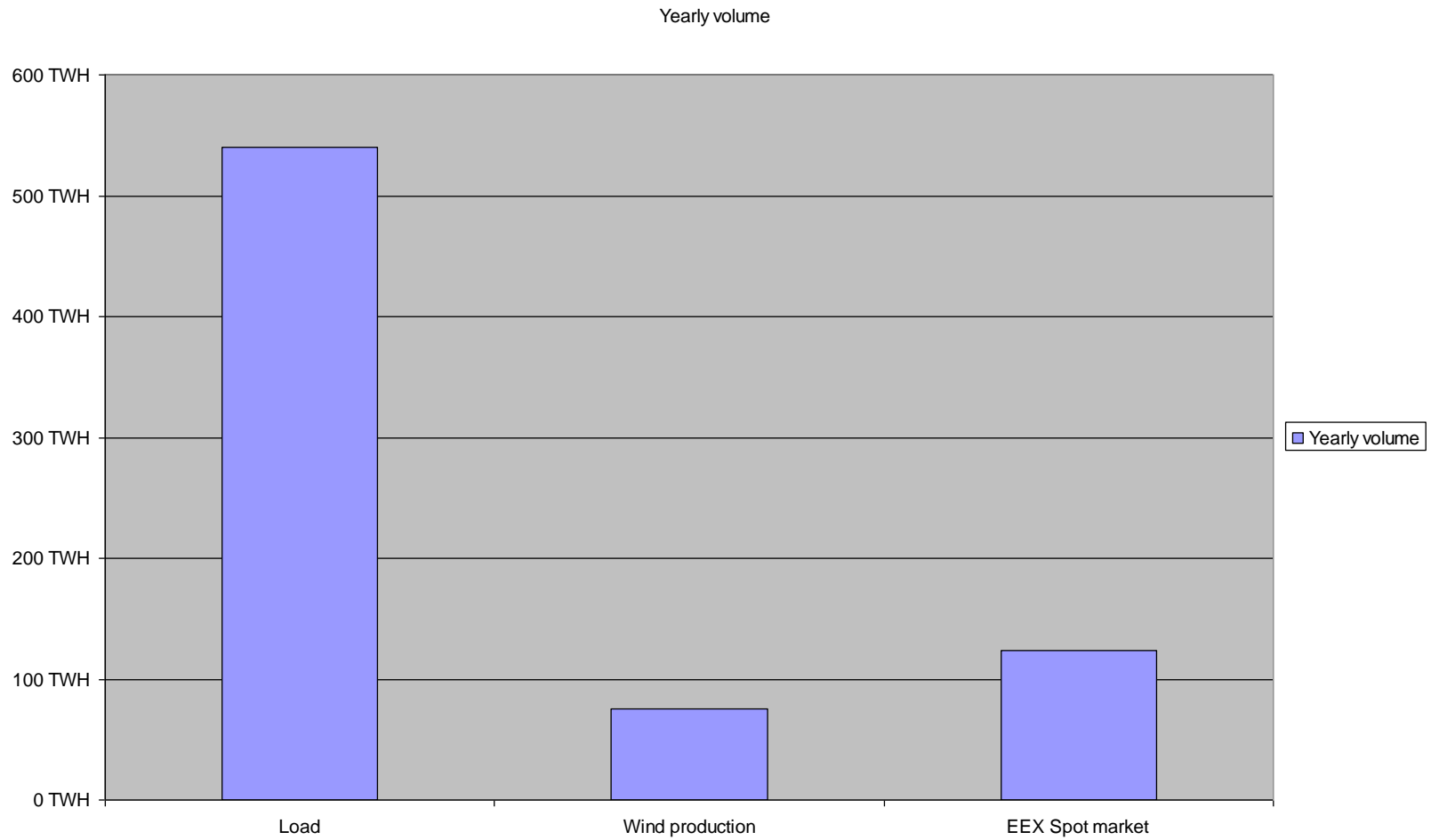
Neg 5.264 MW

## Wind power

Max 22.000 MW



# German Market



# Renewable Energies in the Energy Market

Renewable power should be **treated like other** Types of production

- Renewable production have to take a balance responsibility.
- Profit possibilities
  - Energy Price
  - Reserve Power
  - Certificates for green energy (preferred solution)
  - (Or Feed in Certificate)
- Advantages
  - Less reserve/grid costs
  - More business opportunities for wind power owner
  - Possibility to transfer the Certificates in Europe

**Thank you for your attention!**