



# Trends and possible implications for Hafslund and the Norwegian and Nordic electricity sector

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# Hafslund – a lot accomplished in a short time period

"Former" Hafslund - 100 years of history

Consolidation & restructuring

"New" Hafslund
- 18 months
of history







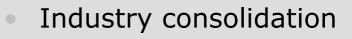
Hafslund 2003: i) one company, ii) one brand name, iii) significant improvement of results





## Fundamental drivers of industry change

- Regulation for network operations
- Tax regime
- Concession framework
- Power prices
- Supply-side regulation



Disintegrated value chain

New strategies and business models

Investments





# Network regulation – high uncertainty of future revenue model

**Current model - value destroying** 

New regulatory regime should reward operational efficiency

- Cost reductions
  - reduced revenues
  - cross-subsidization
- 5 yrs regulation period
  - unpredictable future

- Transparent information
- Revenues de-coupled from cost base
- 10-15 yrs regulation period



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The structure of the electricity distribution

companies in the UK

#### The UK<sup>1</sup>

- 14 electricity distribution companies
- 60 million inhabitants
- Average 4 300 000 customers/company

#### Norway<sup>2</sup>

- 178 electricity distribution companies
- 4.6 million inhabitants
- Average: 26 000 customers/company



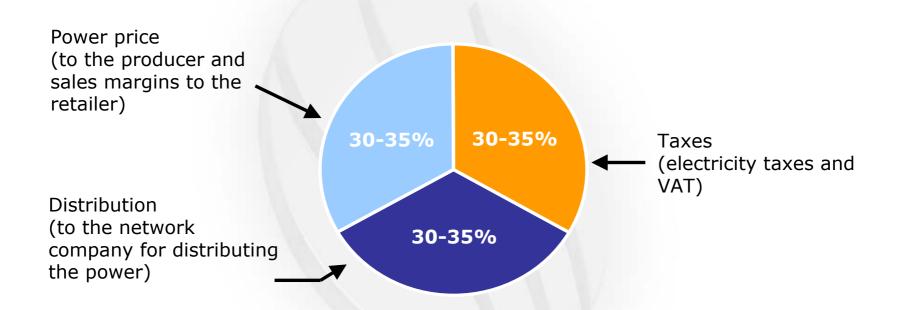
Distribution tariffs were lowered after the consolidation in the UK





### Who profits on Retail Power Sales?

- distribution of household electricity costs



One third of the power price represents distribution tariff

Hafslund

Source: EBL



# New tax regime – Nordic harmonization required to create a level playing field

Currently material differences in tax regime between Norway and the other Nordic countries

- Double taxation Special tax on production ("grunnrenteskatt") in addition to corporate tax
- Debt limitation on publicly owned power assets
- Investment incentives

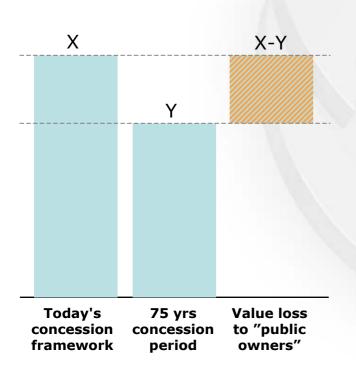
- Weaker profitability
- Lower valuations
- Reduced merger & acquisition"currency"





### A harmonized concession framework will drive a new round of industry consolidation

#### Value loss to "public owners"



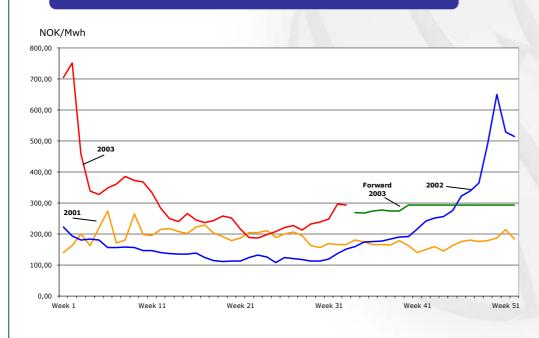
- Level playing field
- Optimal ownership
- Continued investment and development





# Last year's "price shock" – a temporary abnormality or a new era?

#### **Actual el-price vs. forward el-price**



- Long term supply/demand indicates a trend towards higher prices
- Implications:
  - Focus on energy savings
  - Reduced investments in power intensive industry
  - Alternative energy commercially viable

Demanding for customers and el-companies



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# Deregulation will lead to disintegration Disintegration will lead to specialization

Generation

Wholesale & trading

Transmission & distribution

Sales to end customers

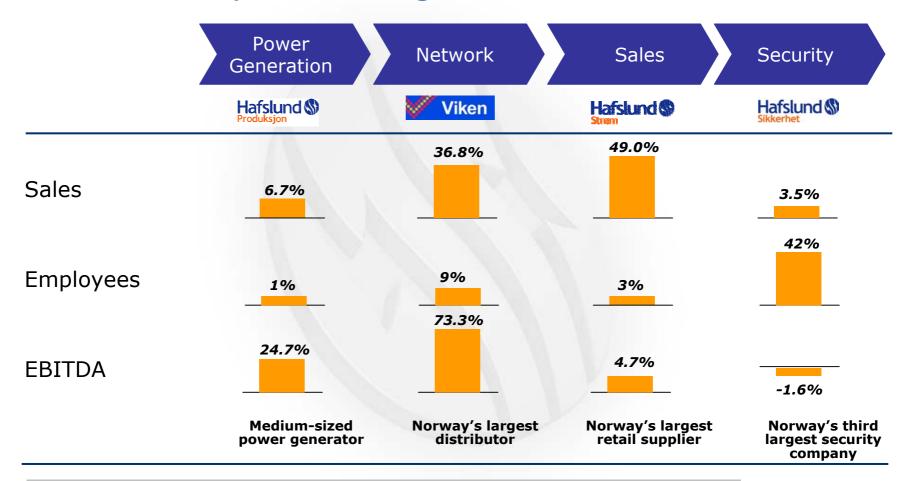
- Integrated power and energy companies
- Specialized power producers
- Integrated power and energy companies
- Specialized el-traders
- Multi-commodity traders (i.e., oil, coal, metals)
- Integrated power and energy companies
- Specialized network companies
- Telecoms / Service companies
- Integrated power and energy companies
- Telecoms / Service companies
- Retailers

Efficient intermediary markets and more focused players are likely effects of a more disintegrated value chain in power



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### Hafslund's positioning in the value chain



#### Attractively positioned for further development

Note: Percentage of total Sales, Employees and EBITDA respectively. Other operations such as Contracting, Investments, Other activities, Restructuring represent the remaining.





# Electricity and Security – successfully capitalizing on Hafslund's customer franchise

#### **Electricity**

- Market leader within sale and distribution in the most densely populated area in Norway
- Leading competence and strong company culture
- In front of the restructuring of the Norwegian energy sector

## New meters in all homes

- Technological convergence
- Common client base and customer service
- Cross sale
- Synergies between activities

#### Security

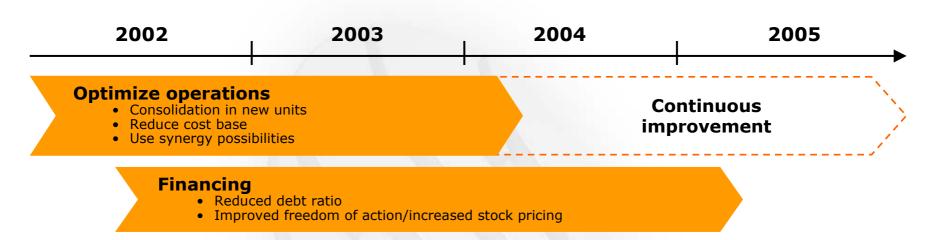
- Significant market share already achieved
- 2. Market in strong growth with attractive earnings potential
- 3. Limited capital tied up

Hafslund Security: 42,000 retail customers and break-even in 3Q 2003





### Restructuring in progress – further potential



#### Sale of assets

- Liquidation of investment portfolio
- Sale of non-core operations

#### Structural development

- Mjøskraft
- Østfold
- Hedmark and Oppland
- Other regional players
- District Heating (Viken Fjernvarme)
- Nordic downstream



Continued focus on restructuring and strategic growth

### Summary of strategy and goals

#### **Strategy**

- Commission restructuring and optimize operations
- 2. Payment of debt
- 3. Sale of non-core activities
- 4. Pursue attractive structural opportunities

#### Goals 2003-2004

- 1. EBITDA minimum NOK 2-2.2 billion
- 2. Equity share > 30%
- 3. Dividend capacity: NOK 200-400 million
- 4. Equity value:NOK 10 billion



Hafslund is well positioned to realize the value potential