Vattenfall Capital Markets Day 2009

Presentation by:

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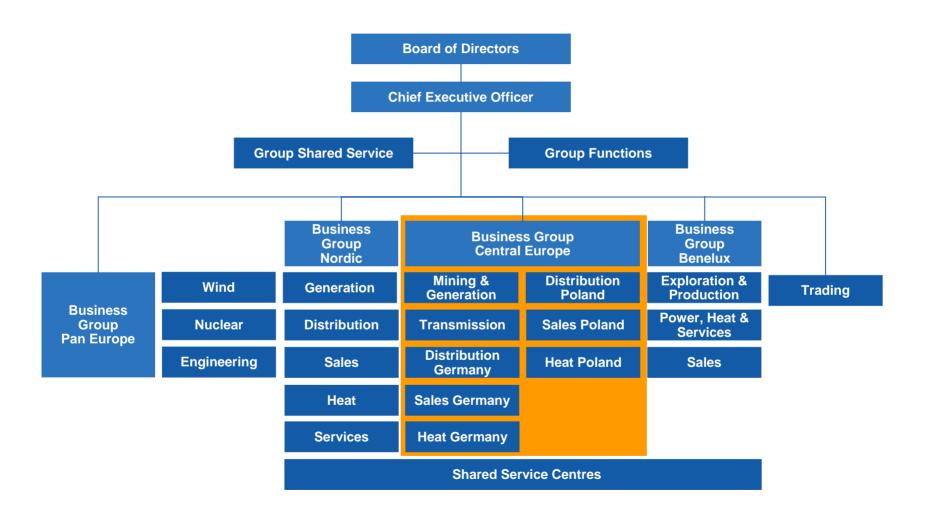
Amsterdam, 23 September 2009



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Overview Business Group Central Europe



Overview Business Group Central Europe

Business Group Central Europe comprises Vattenfall's operations in Germany and Poland.

Business Units: Mining & Generation, Transmission, Distribution Germany, Sales Germany, Heat Germany, Distribution Poland,

Sales Poland and Heat Poland.

	2008
Operating profit (EBIT), MSEK	16,872
Electricity generation, TWh	72.3
- of which, fossil-based power	69.0
- of which, hydro power	3.0
- of which, biomass & waste	0.4
Heat sales, TWh	25.3
Employees	21,245
Electricity customers (million)	3.7
Network customers (million)	4.3



Overview - Business Group Central Europe

Vattenfall in Germany

- # 3 in electricity generation with 70.8 TWh (11,8 %)
- # 3 in transmission with 9,755 km (27,8 %)
- Major supplier of district heat in Western Europe
- Market share in Berlin
 - -78% household customers
 - -47% C&I segment
- Market share in Hamburg:
 - -82% household customers
 - -34% C&I segment



Overview - Business Group Central Europe

Vattenfall in Poland

- Largest foreign investor in the Polish energy sector to date
- Largest cogeneration (CHP) heat producer 21.5% market share
- Electricity sales approx. 7% market share
- Electricity distribution approx. 10% market share

Ongoing investments in fossil-based generation

Boxberg (Saxony)

- Power Plant Unit R
- 675 MW lignite
- Net degree of efficiency > 43.7 %
- Investment sum EUR 890 million
- Planned start of commercial operation February 2011



Moorburg (Hamburg)

- Hard coal CHP gross 1,640 MW (2 units)
- Use of steam for district heating: 650 MWel
- Net degree of efficiency > 46.5 %
- Plans to add a hybrid cooling tower
- Investment sum EUR 2,6 billion
- Planned start of operation 2012/2013





The CO₂ challenge

- ETS is tightened:
 - Until 2012: free allocation of approx. 65% of allowances (76,5 Mton in 2008)
 - From 2013 onwards:
 - full auctioning of CO2-allowances for electricity generation
 - Exception: stepwise introduction in Poland (30% in 2013, 100% in 2020)
 - stepwise decreasing of free allocation of allowances for heat production
- Stresstests have been made on the Moorburg and Boxberg investments:
 - These investments are profitable even allowing for CO2-auctioning
- Increasing costs for generation in conventional plants: ~ EUR 1 bn / year from 2013*
 - old, inefficient power plants will have to be decommissioned
 - profitability of new investments in conventional plants will decrease

* assuming 20 €/t CO₂



Making electricity clean – CCS

- Inauguration of the CCS pilot plant (30 MW, Oxyfuel-method) in September 2008
- Test phase shows promising results
- Plan to explore possible storage sites for CO2 in Brandenburg
- Build a demonstration plant (approx. 375 MW) in Jänschwalde
- Vattenfall expect CCS-legislation in Germany before year end 2010

Phase I: Test rig Jänschwalde 0,5 MW_{th} April 2006 Phase II: Pilot Plant Schwarze Pumpe 30 MW_{th} September 2008 Phase III: Demo-plant Jänschwalde 375 MW_{el} 2012 - 2015 Phase IV: Commercial plant

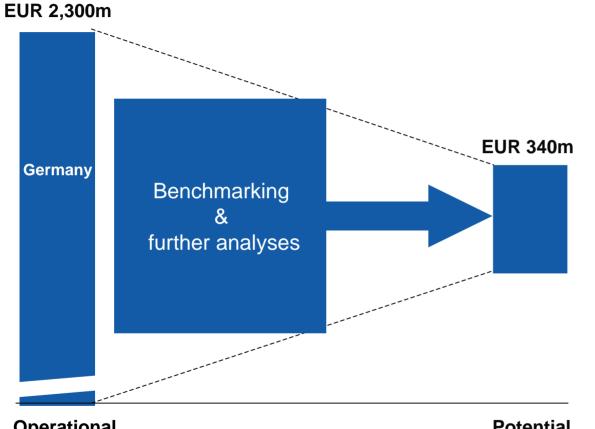
Approx. 1,000 MW_e 2015 - 2020



Focus on customer growth

- Growth in German retail segment
 - over 200.000 new household customers in 2008-2009
- Create products and services to support "Making electricity clean"
- Customer Satisfaction Index (CSI) has increased from 63% to 72%
- Nationwide launch of SME business in Germany

Benchmark of the industry – OpEx programme



- External benchmarking of all BU's carried out
- "Benchmarking" potential of approx. EUR 340 m identified

Operational expenditures **Vattenfall Europe** (Actual 2007)

Potential

Summary and conclusions

- Realization of Making Electricity Clean Strategy
 - CCS, "Energy Concept for Berlin" etc.
- Continued focus on operating costs and cash flow
 - Divestments
 - Benchmarking gap and investments
- Image recovery post-Krümmel including further growth in household customer segment
- Further streamlining of organization and management structures

Back-up



Key data – BG Central Europe

	H1	H1	%		FY
Amounts in SEK billion	2009	2008	Change	LTM	2008
Net sales	83.0	68.4	21.4	155.6	141.0
External net sales *	58.8	47.8	23.0	108.9	97.9
EBIT *	11.0	9.2	19.6	18.7	16.9
Net assets **	99.6	82.8	21.5		94,3
Electr. generation, TWh	34.2	36.1	-5.3	70.4	72.3
Heat sales, TWh	15.0	14.0	7.1	26.3	25.3
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Employees ***	21,335	21,102	1.1		21,245

^{*} Excl. intra group transactions



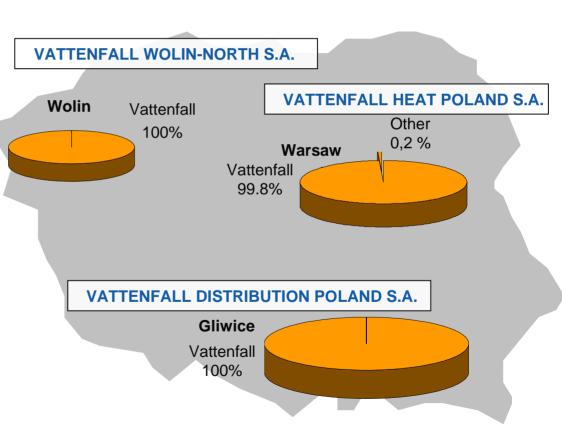
^{**} At the end of the period

^{***} Full time equivalents (FTE)

Overview - Business Group Central Europe

Vattenfall Poland: market basis for future development

- Largest foreign investor in the Polish energy sector to date
- Largest cogeneration (CHP)
 heat producer 21.5% market
 share
- Electricity sales approx. 7% market share
- Electricity distribution –
 approx. 10% market share





Boxberg Power Plant, Unit R

- Investment: EUR 890 million
- Gross electricity capacity: 675 MWel lignite
- Base load operation, Availability > 91%, Regulation ability 50% 103%,
 High automation level, Compliance with Transmission Code
- Net degree of efficiency > 43.7% (live steam: T =600°C; p =285 bar)
- Coal requirements: 4.5 million t/a
- Specific CO₂ emissions: 924 g/kWh
- 1st synchronisation: June 2010
- Start of commercial operations:
 February 2011



Hamburg-Moorburg CHP Plant

- Estimated investment sum: EUR 2.6 billion
- Gross electricity capacity: 1,640 MWel
- Use of steam for district heating: 650 MWth
- 30th September 2008: final permit for the construction
- October 2008: Vattenfall filed lawsuit
- March 2009: Vattenfall filed request for arbitration
- June 2009: plans to add a hybrid cooling tower

