



Agenda

Introduction

This is Vattenfall
Group Executive Management
Value chain
Market trends

Strategy

Targets
Investment plan

Financials

Targets Highlights

Sustainability

UN Sustainable Development Goals Reduction of CO₂ emissions Partnerships

Operating segments

Operating segments
Customers & Solutions
Power Generation
Wind
Heat
Distribution







100%
Owned by the Swedish State



7.5 million
Electricity customers



1.0 million
Electricity network customers



2.0 million

Heat customers



2.3 million

Gas customers



19,638 Employees





Key data

SEK bn	FY 2022	FY 2021
Net sales	239.6	180.1
Underlying operating profit ¹	37.3	31.2
Operating profit (EBIT)	12.6	60.3
Profit for the period	0.0	48.0
Return on capital employed, %	4.2	22.2
Return on capital employed excl. items affecting comp., %	12.5	11.5
Funds from operations/ adjusted net debt, %	55.0	171.2
TWh	FY 2022	FY 2021
Electricity generation	108.9	111.4
Customer sales, electricity	111.4	120.5
Customer sales, heat	14.1	15.6
Customer sales, gas	47.3	57.1



¹ Operating profit excluding items affecting comparability

Vattenfall's geographical footprint



Sweden Germany

Finland The Netherlands

Norway Belgium

Denmark France

Poland United Kingdom



Vattenfall's main markets



Sweden

Germany

Netherlands

Denmark

United Kingdom





Location of our operations and major plants

















Nuclear •







Solar •







Largest facilities marked with a circle



Sandbank -

— Kriegers Flak

Introduction Executive Group Management



President and CEO
Anna Borg



Senior VP, CFO Kerstin Ahlfont



Senior VP, General Counsel and Secretary to the board of Directors Anne Gynnerstedt



Senior VP, Strategic Development Andreas Regnell



Senior VP, People & Culture Christian Barthélémy



Senior VP, Communications Åsa Jamal

Operating segment Customers & Solutions

Operating segment Wind

Operating segment Power Generation

Operating segment Distribution¹



Senior VP

Martijn

Hagens
(interim Head)

Operating segment

Heat



Senior VP Martijn Hagens



Senior VP Helene Biström



Generation
Torbjörn
Wahlborg

Senior VP.

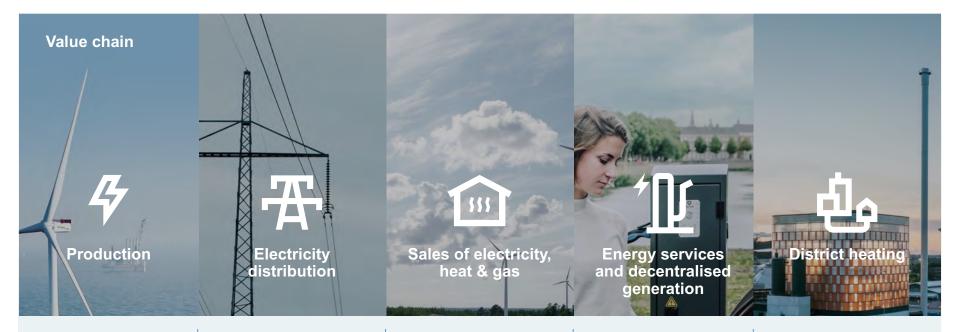


Senior VP, Markets
Anna Karin Stenberg



Senior VP Annika Viklund

¹ Vattenfall's electricity distribution operations are unbundled from other operations, in accordance with Swedish and UK legislation-



Vattenfall generates electricity from many types of energy sources.

We are actively phasing out fossil fuels and investing to expand renewable generation. Guarantee secure supply requires well-functioning distribution networks and development of smart network solutions.

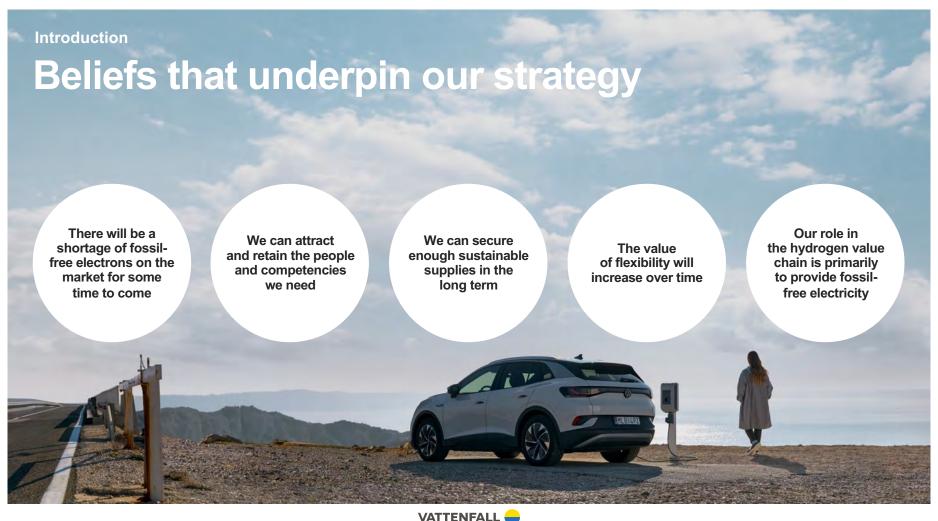
Vattenfall also enables customers to feed selfgenerated electricity into the grid. Sells electricity, heat and gas to consumers and business customers.

Focuses on various price and service models. We give customers the opportunity to understand and reduce their environmental impact. Battery storage, network services, charging solutions for electric vehicles etc.

We also provide marketplaces where customers can buy and sell electricity, as well as solutions for customers to optimise their energy use. One of Europe's largest producers and distributors of district heating, supplying households and industries in metropolitan areas.

In partnership with cities and regions we are driving the transformation towards fossil-free heating solutions.







Connecting and optimising the energy system Driving decarbonisa-Securing a fossil-free tion with our energy To enable the customers & supply fossil freedom partners that drives society forward Delivering high-performing Empowering our people operations



Being active in the whole value chain is strategically important

Increases our competitive advantage

Our ability to establish partnerships with industrial off-takers makes us an attractive candidate in e.g. wind auctions.

Differentiates us from competitors

Access to renewable volumes on the customer side as fossil-free electricity becomes more scarce.



Brings optimal value of a total portfolio

The ability to optimise dispatch across both customer loads and supply.

Diversifying & reducing total portfolio risk

Means lower cost of capital and an ability to take on more debt.



Strategic targets 2025

Strategic focus area	Strategic targets to 2025	Actual 2022	Actual 2021	Progress	Comments
Driving decarbonisation with our customers & partners	Net Promoter Score¹ (Absolute): +18	+16	+10		Higher NPS mainly owing to the Customers & Solutions operating segment with strong performance especially in Germany
Securing a fossil-free energy supply	CO₂ Emissions Intensity²: ≤86 gCO2e/kWh	78	82		Improvement due to lower fossil-based generation
Empowering our people	Lost Time Injury Frequency: (LTIF): ≤1.0	1.1	1.7		Improved results after initiatives to improve safety, including common H&S strategy and framework for follow-up throughout the organisation
	Employee Engagement Index: ≥75%	803	75		Outcome above target level after continued improved performance with more engaged employees
Delivering high-performing operations	FFO/Adjusted Net Debt: 22-27%	55.0%	171.2%		Above target interval as a result of continued strong underlying EBITDA
	ROCE: ≥8%	4.2%	22.2%		Outcome below target, mainly due to changes in market value of energy derivatives and inventories

 $^{^1\,\}text{NPS}$ absolute target is calculated with a weighting of 80% from Customers & Solutions and 20% from Heat resembling size of customer basis

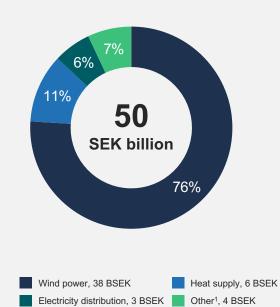
² Targeting 86 gCO2 /kWh by 2025 puts us on a "1.5°C" trajectory by 2030 according to Science Based Target levels

³ Documentation for measurement of target achievement is derived from the results of an employee survey, which is conducted on an annual basis. Due to a change in the answering options in the survey, the results may differ by up to 3 p.p. in both directions

Investment plan 2023-2024







Growth capex per country



Denmark, 7 BSEK France, 0 BSEK

Sweden, 9 BSEK

Germany, 5 BSEK

¹ Mainly charging solutions, solar and battery projects as well as heat and energy solutions





Financials

Financial targets

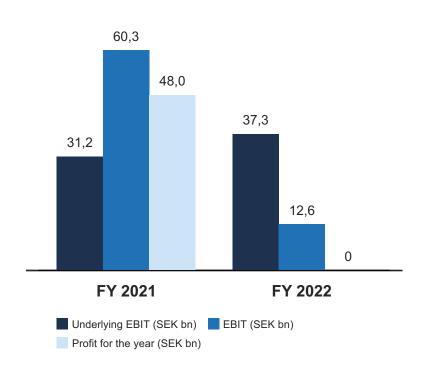
Financial targets	Targets over a business cycle ¹	Outcome 2022	Comment
Profitability	Return on capital employed: ≥8%²	4.2%	Outcome below target, which was heavily impacted by temporary effects from changes in the fair value of energy derivatives and inventory.
Capital structure	FFO/adjusted net debt: 22%–27%	55.0%	Above target interval as a result of continued strong underlying EBITDA. The metric continues to be positively affected by temporary decrease in adjusted net debt following a positive net change in margin calls received related to price hedging.
Dividend policy	Dividend: 40%–70% of the year's profit after tax	4.0 billion SEK	

¹ Operating profit excluding items affecting comparability

² The key ratio is based on average capital employed

Financial highlights

Earnings

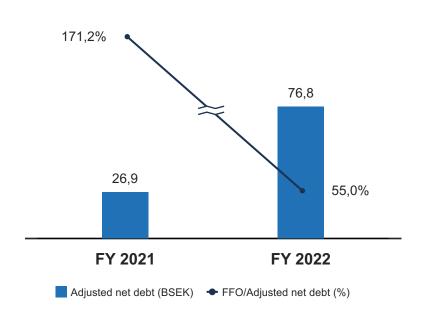






Financial highlights

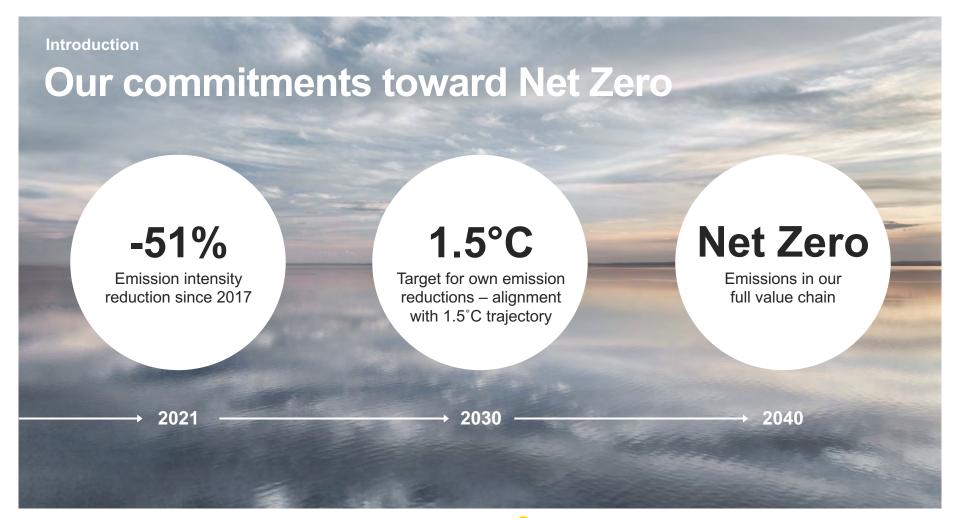
Adjusted net debt











Our prioritised UN Sustainable Development Goals







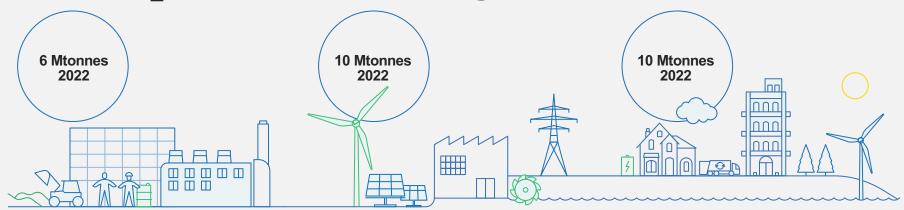






Vattenfall's strategy is driving our contribution to the UN's Global Sustainable Development Goals

Cut CO₂ emissions throughout the value chain



Suppliers

Supplier dialogues and sustainability requirements in tenders

Lifecycle Assessments

Industry collaborations

Own operations

Reducing emissions in line with climate science

Growth in renewables

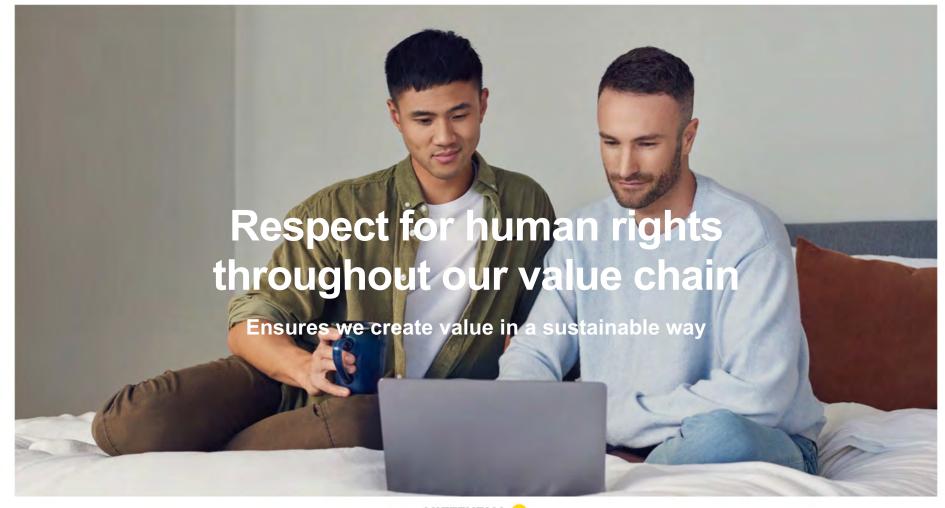
Reducing emissions from employee travelling

Customers

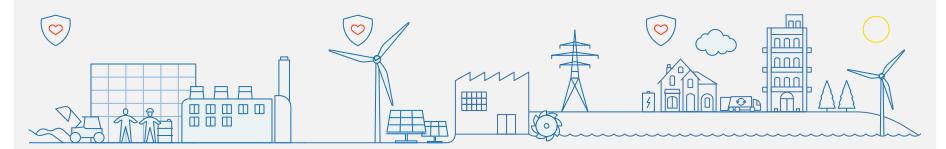
Climate smart solutions for homes and cities

City partnerships

Environmental product offerings



Tools, processes and actions to respect human rights



Upstream & suppliers

Supplier risk assessment tool

Supplier screening and selfassessment questionnaires

Audits & corrective action plans

Code of Conduct for Suppliers & Partners

Supplier capacity building & engagement

Operations

Stakeholder consultation, in particular indigenous people

Local community funds

MyOpinion, H&S maturity

H&S contractor management

Just transition & responsible decommissioning

Downstream & customers

Screening large B2B customers

Assessing potential partners or acquisition targets

Evaluating & minimising product end-of-life impacts

Collaborate throughout the value chain to deliver positive impact

A new generation of transports, industries and materials together with our partners















A new generation of transports, industries and materials together with our partners





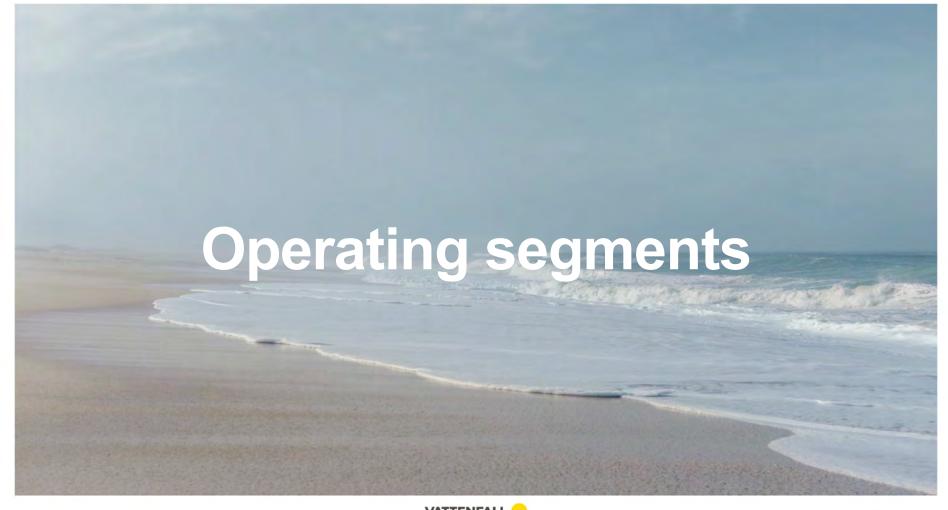














Customers & Solutions

Responsible for sales of electricity, gas and energy services in all of Vattenfall's markets.

Power Generation

Responsible for Vattenfall's hydro and nuclear power operations, maintenance services business, and optimisation and trading operations including certain large business customers.

Wind

Responsible for development and operation of Vattenfall's wind farms as well as largescale and decentralised solar power and batteries.

Heat

Responsible for Vattenfall's heat business (district heating and decentralised solutions) and gas-fired condensing plants.

Distribution

Responsible for Vattenfall's electricity distribution operations in Sweden as well as operations in the UK focused on owning and operating new networks.





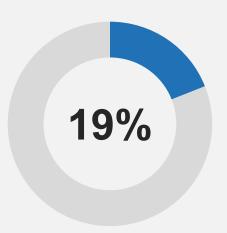
Customers & Solutions



Sweden, Finland, Denmark, Germany, the Netherlands and France

Key data	FY 2022	FY 2021
Net sales (SEK bn)	183.2	106.6
External net sales (SEK bn)	174.0	102.3
Underlying EBIT ¹ (SEK bn)	7.4	2.3
Sales of electricity (TWh)	93.5	96.1
- of which, private customers	27.1	26.8
- of which, resellers	20.7	7.9
- of which, business customers	45.7	61.4
Sales of gas (TWh)	46.4	56.0
Net Promoter Score (NPS) absolute ²	+16	+10
Electricity customers	7,530,000	7,080,000
Gas customers	2,320,000	2,370,000
Number of employees (FTE)	3,289	3,213

Share of underlying EBIT





Highlights 2022

The customer base increased by 4% to 10.9 million contracts in 2022 compared to year-end 2021

Vattenfall delivered 100% fossil-free electricity from wind, solar and hydro for the first time to its retail customers in the Netherlands

Operates 39,600 e-mobility charging pointsin Sweden, Germany, the Netherlands, and Norway

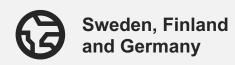


¹ Operating profit excluding items affecting comparability

² Weighted 80% from Customers & Solutions and 20% from Heat.

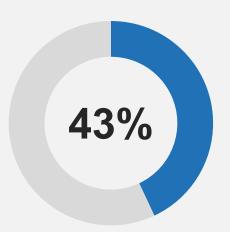


Power Generation



Key data	FY 2022	FY 2021
Net sales (SEK bn)	205.8	126.3
External net sales (SEK bn)	28.2	40.3
Underlying EBIT¹ (SEK bn)	16.6	19.3
Electricity generation (TWh)	80.1	81.2
Sales of electricity (TWh)	15.6	22.2
- of which, resellers	13.8	17.5
- of which, business customers	1.8	4.7
Sales of gas (TWh)	0.9	1.1
Number of employees (FTE)	7,219	7,260

Share of underlying EBIT





Highlights 2022

Government decision for final repository of spent nuclear fuel and radioactive waste in Forsmark, Sweden

Feasibility study initiated for construction of small modular reactors at Ringhals

Acquisition of an early pumped storage hydro power project in Germany with the possibility to build a 400 MW power plant



¹ Operating profit excluding items affecting comparability



Wind



The UK, Denmark, the Netherlands, Sweden and Germany

Key data	FY 2022	FY 2021
Net sales (SEK bn)	29.1	20.9
External net sales (SEK bn)	4.3	7.8
Underlying EBIT¹ (SEK bn)	16.5	7.9
Electricity generation (TWh)	12.2	11.2
Number of employees (FTE)	1,521	1,279

Split by type of generation



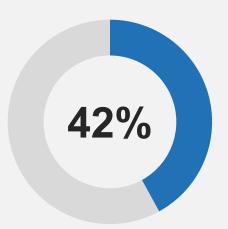
■Offshore ■Onshore ■Solar

Split by geography



■UK ■De nmark
■The Neth erlands ■Swe den
■Germany

Share of underlying EBIT





Highlights 2022

Inauguration of Vattenfall's largest onshore wind farm, Blakliden Fäbodberget (353 MW)

Foundation installation completed and delivery of first electricity from the offshore wind farm Hollandse Kust Zuid in the Netherlands

Vattenfall gets to build Finland's first large offshore wind farm with a total capacity of 1.3 GW



¹ Operating profit excluding items affecting comparability



Heat



Sweden, Germany, the Netherlands and the UK

Key data	FY 2022	FY 2021
Net sales (SEK bn)	60.5	34.8
External net sales (SEK bn)	20.9	14.7
Underlying EBIT¹ (SEK bn)	-3.6	-0.3
Sales of heat (TWh)	14.1	15.6
Electricity generation (TWh)	16.6	19.0
CO ₂ emissions ² (Mtonnes)	9.4	10.2
Nitrogen oxide, NO _x (ktonnes)	4.6	5.0
Sulphur dioxide, SO ₂ (ktonnes)	1.2	1.3
Particulate matter, PM (ktonnes)	0.1	0.1
Number of employees (FTE)	3,188	3,126

Share of underlying EBIT





Highlights 2022

Inauguration of the biofuel-fired heat plant, Carpe Futurum, in Uppsala

Initiation of a strategic review of the Berlin district heating business

Sale of gas-fired Magnum power plant in the Netherlands to RWE



¹ Operating profit excluding items affecting comparability

² CO2 emissions are pro rata





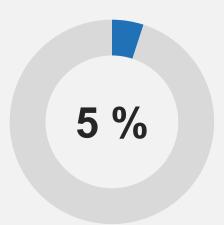
Distribution



Sweden and the UK¹

Key data	FY 2022	FY 2021
Net sales (SEK bn)	12.5	17.3
External net sales (SEK bn)	11.7	14.6
Underlying EBIT ² (SEK bn)	2.1	3.2
Investments (SEK bn)	5.5	5.8
SAIDI ³ (minutes/customer)	157	112
SAIFI ⁴ (number/customer)	2.08	1.75
Number of employees (FTE)	1,340	1,165

Share of underlying EBIT





Highlights 2022

Continued roll-out of smart electricity meters and high demand for connections to the electricity grid

Two regional grid projects selected by the Swedish Energy Markets Inspectorate to identify solutions that enables shorter lead times for permitting processes

Pilot project for flexible fast charging of electric vehicles in Riksgränsen in northern Sweden

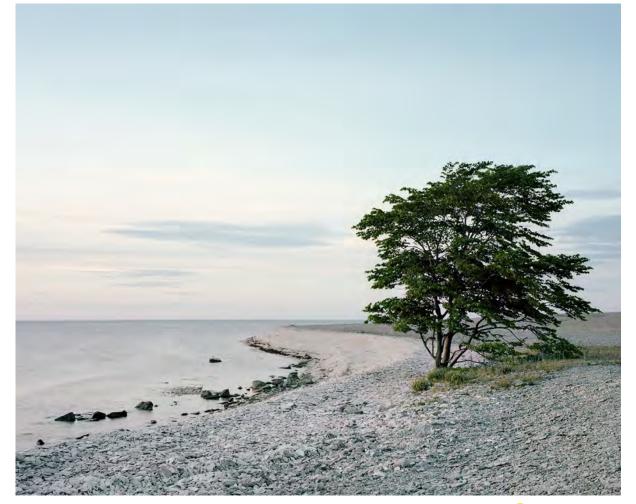


¹ Power-as-a-service also offered in Denmark and the Netherlands

² Operating profit excluding items affecting comparability

³ SAIDI: System Average Interruption Duration Index

⁴ SAIFI: System Average Interruption Frequency Index



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