



Resilient business model in times of market volatility and geopolitical change Strategy EnBW 2025 – shaping the infrastructure world of tomorrow



Our exposure to Russia

Natural gas

 $\overline{\emptyset}$

EnBW

No direct import contracts

VNG

2 direct import contracts 1 ending Dec. 2022 **2021**: 99 of 495 TWh **2022**: ~100 TWh

2023 - 2030: ~65 TWh p.a.

Coal



EnBW

86% imported from Russia (~3.6 m t) in 2021 Additional coal supplies from Colombia and South Africa

Diversification

Option to use LNG, VNG's extensive gas storage inventory, source internationally

Diversification

Screening of potential new coal suppliers already started at year-end 2021 e.g. the US, Australia and Indonesia

Integrated and resilient business model with set up along entire value chain - stable business characteristics also in volatile times



Smart infrastructure for customers



System-critical infrastructure



Sustainable generation infrastructure

Strategy EnBW 2025 and beyond focuses on infrastructure and is supported by national and European goals

EnBW manages financial risk proactively and successfully



Planning cash flow and hedging generation margins forward

Generation hedge (Own generation 2021: 42 TWh)

- > Margins locked in by selling generation forward into the market
- > Significant margin calls comfortably served at all times
- > 2022 entirely hedged: No material impact on earnings expected

Hedge levels¹

2022: 100% 2023: 60 – 90% 2024: 30 – 50%

Diversified financing instruments

Bilateral bank lines, syndicated credit facility, commercial papers programme, bonds, bank loans, promissory notes, etc.

Forward-looking liquidity management

- > Liquidity risk covered in advance with operational liquidity sources
- > Limitation of counterparty risks
- > Careful evaluation of different scenarios including stress tests
- > Forecast of potential short- and long-term margin movements

Securing a strong liquidity position is key for EnBW and is built upon a broad variety of reliable refinancing sources

Active management of hedging position

Adding bilateral bank lines

Drawing EnBW's syndicated loan

Use of commercial paper

VNG KfW credit line

¹ As of 31 December 2021

EnBW at a glance¹



€32,148 m (+63%²)

Total revenue

€1,784 m (+9%²)

€2,959 m (+6%²)

Adjusted EBITDA

Retained cash flow

€2,809 m (+11%²)

Total investment

€1,203 m (+76%²)

Adjusted Group net profit

€8,786 m (-39%²)

Net debt

12.7 GW generation portfolio

of which 5.1 GW or 40% RE

Debt repayment potential

20%³ (+82%²) RCF in relation to net debt

Outlook 2022 - Adjusted EBITDA

> Smart infrastructure for customers

> System-critical infrastructure

> Sustainable generation infrastructure



€350-425 m

€1,225-1,325 m



€1,650-1,750 m

Group

€3,025 to 3,175 m

Balanced risk-return profile

- > 71% EBITDA contribution from regulated grid business and renewable energies
- > Solid investment-grade ratings: Moodys Baa1 stable, S&P A- stable
- > Highly ranked sustainability ratings ISS ESG: B prime; MSCI: A average;

CDP: B management; Systainalytics: 31 high risk

> Debt repayment potential 2021-2025: ≥ 12%³ RCF in relation to net debt

Stable shareholder structure

>	NECKARPRI-Beteiligungsgesellschaft mbH ⁴	46.75%
>	OEW Energie-Beteiligungs GmbH (OEW) ⁵	46.75%
>	Badische Energieaktionärs-Vereinigung (BEV)	2.45 %
>	EnBW Energie Baden-Württemberg AG	2.08%
>	Gemeindeelektrizitätsverband Schwarzwald-Donau (G.S.D.)	0.97%
>	Neckar-Elektrizitätsverband (NEV)	0.63%
>	Other shareholders	0.39%

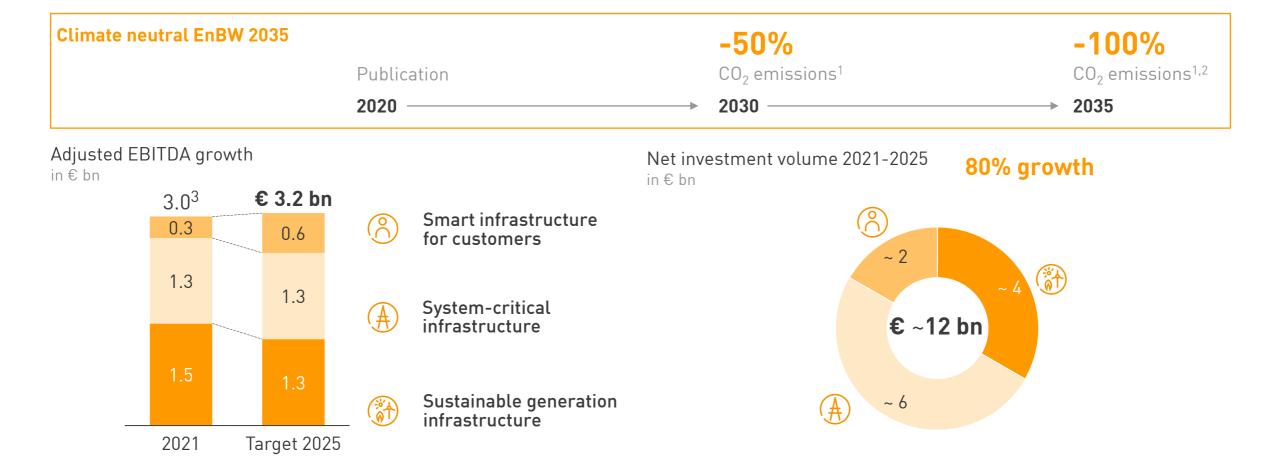
¹ As of 31 December 2021; 2 Compared to 2020; 3 To maintain solid investment-grade ratings, EnBW regularly checks the 2025 target value for the debt repayment potential for managing its financial profile.

^{4 100%} subsidiary of NECKARPRI GmbH which is a 100% subsidiary of the federal state of Baden-Württemberg;

⁵ 100% subsidiary of Zweckverband Oberschwäbische Elektrizitätswerke which is an association of 9 districts with headquarters in Ravensburg

Strategy 2025 supports achieving climate neutrality in 2035





¹ EnBW's climate neutrality target relates to own emissions (Scope 1 and 2). Target relates to CO2eg (CO2, CH4, N2O and SF6). Base year 2018.

² Includes some offsetting of remaining residual emissions by purchase of recognised offsetting certificates.

³ Other/Consolidation € -0.187 bn

Sustainable generation infrastructure

Expansion of renewable energies as major driver









Renewable Energies

In operation 2021

- > Offshore wind 1 GW
- > Onshore wind 1 GW
- > Solar 0.5 GW

Targets 2025

- > Share of generation capacity > 50%
- > Wind onshore and offshore 4 GW
- > Solar 1.2 GW

Thermal Generation

Coal exit 2035

- > Coal 34% of generation capacity
- > RDK 7 registered for decommissioning by mid 2022

Nuclear exit 2022

> 10% of generation capacity (2021)

Reserve power plants

> 1.7 GW¹ until 2023

Fuel switch planned for 3 sites^{2 -} Hydrogen ready

e.g. CCGT Altbach/Deizisau: 750 MW electricity/170 MW heat

Trading

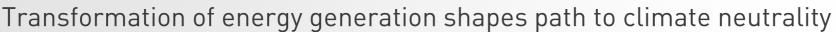
> 2022 generation position fully hedged

Strategic dimensions

- > Regional expansion into CWE/Nordics
- > Diversification of gas and coal
 - >Option to use LNG
 - >Screening of potential new coal suppliers
- > Long-term PPA's 4 (10-15 years)



Sustainable generation infrastructure





Renewable energies development until 2025



Solar

- > 187 MWp Weesow-Wilmersdorf (Grid connection in 2020)
 - > 63 MWp PPA with Covestro
- > 150 MWp Gottesgabe (Grid connection Q1 2022)
- > 150 MWp Alttrebbin (Grid connection Q1 2022)



Offshore wind

- > 900 MW HeDreiht (Expected FID 2023 / COD 2025)
 - > 85 MW PPA with Fraport
 - > Tender for further PPAs in process

Significant project pipeline in the world's largest offshore wind market EnBW focuses on Europe for the expansion of offshore wind power

EnBW and bp plan to build three offshore wind farms with ~6 GW (50:50 partnership)



Irish Sea

Combined capacity of 3 GW
Expected FID 2026 / COD as of 2028 successive



Scotland

Capacity of 2.9 GW Expected FID 2026 / COD 2030



Secured pipeline & under construction



~1.3 GW



~2.4 GW



~6.8 GW

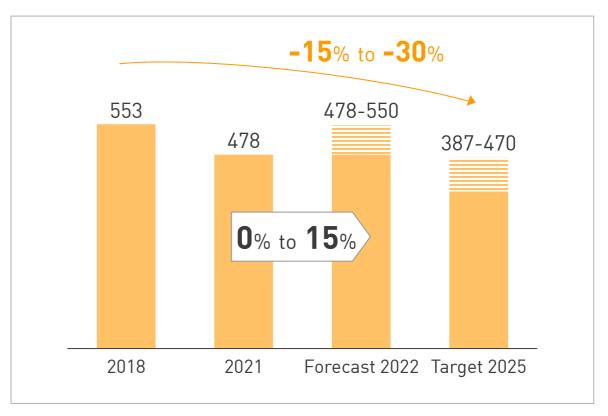


Electricity generation capacity

in %

40% **50%** Renewable Renewable Energies Energies 2021 Target 2025 RE 6.5 – 7.5 GW Total 12.7 GW RE 5.1 GW Coal 4.3 GW Renewable Energies Thermal Generation

CO₂ intensity (without nuclear)



System-critical infrastructure

Focus on grids is crucial for a successful energy transition









Electricity distribution grids

Integration of renewables and e-mobility

Netze BW climate neutral since 2021

Bid accepted to equip 170 sites in BadenWürttemberg with 450 MHz communication

Partnership approach of Netze BW

> 214 municipalities

network

> Shareholding in Netze BW of around 14%

Electricity transmission grids

Expansion of networks to transmit electricity generated in the windy north to southern Germany

- > SuedLink 2 x 2 GW, > 600 km (TransnetBW, TenneT)
- > ULTRANET 2 GW, 340 km, 40 km under TransnetBW (TransnetBW, Amprion)

Examination of potential capital partnership in grids

Minority stake of up to 49.9% in TransnetBW possible

Gas grids

H₂- readiness expected by 2040

Transmission grids (9,800 km)

- Start of construction of gas compressor station in Rheinstetten¹
- > Planning of natural gas pipeline in South-Germany (~250 km) to meet rising demand ²
- > EUGAL³ completion in Q2 2021 (~480 km)

Distribution grids (16,100 km)

> Project "H₂ island" already delivers climatefriendly gas



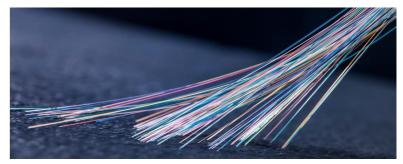
Smart infrastructure for customers

Sustainable engagement for our customers









Electricity and gas

Green electricity has become standard product in EnBW's and Yello's portfolio¹

- Supply of ~5.5 m customers with electricity, gas, district heating, drinking water Additions to this are:
- Energy related services for B2B customers, such as billing services
- > Energy supply contracting
- > Energy savings contracting

E-mobility

- Leading CPO with biggest fast charging network in Germany
- > Currently ~700 locations
- > Target 2025: >2,500 locations
- Leading e-mobility provider with an access to the largest charging network in DACH
- > EnBW mobility+: No.1 e-mobility app in Germany
- Over 200,000 charging points in 9 countries

Broadband/Telecommunication

Fibre infrastructure combined with product and service portfolio

Plusnet (telecommunications provider)

- >>25,000 business customers
- > Network with 100 Gbit/s bandwith

NetCom BW

- > ~63,300 customers (~10,500 B2B)
- > ~18,400 km of fibre optic cable

Decisions and business activities driven by our strong ESG focus







Reduction of CO₂ footprint



Responsible use of recourses



Preservation of biodiversity



Water and soil protection



Energy efficiency



Emission control





Responsibility for employees



Coal phase out: No job losses

Fuel switch: Secure locations & jobs



Transparent coal procurement aligned with ESG standards

UN Guiding Principles on Business and Human Rights





ESG criteria integrated in investment approval process

Secisions guided by climate neutrality target 2035

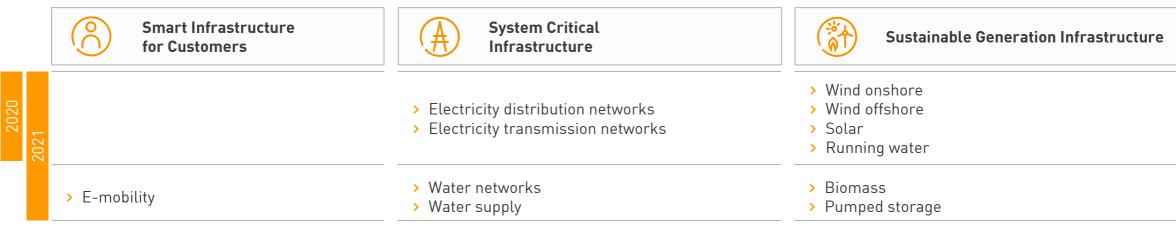


Management Board remuneration including clawback

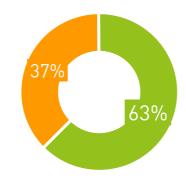
First mover in disclosing EU taxonomy data

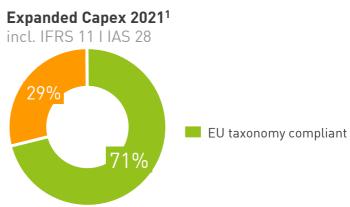


EU taxonomy compliant activities









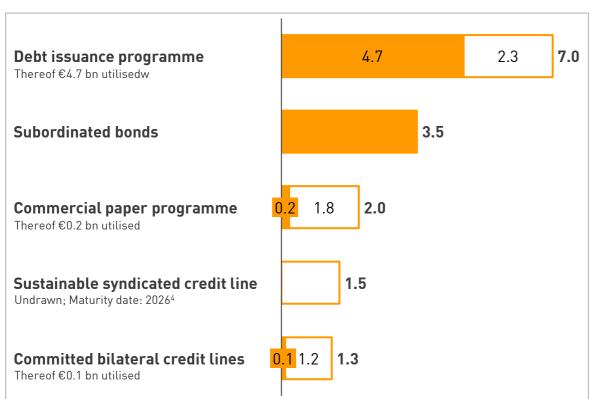
¹ In accordance with the Taxonomy Regulation, expanded by acquisitions and capital increases from companies accounted for using the equity method

EnBW manages its operating financing needs and long term obligations separately

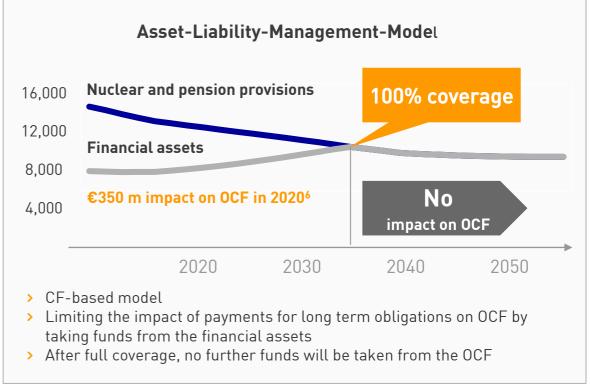


Covering operating financing needs^{1,2,3}

in € bn



Limited impact of long term obligations on OCF^5 in \mathfrak{E} m



¹ As of 31 December 2021

² Rounded figures

Other sources: Project financing, EIB loans and Financing activities in the form of bank loans and promissory notes in subsidiaries

⁴ Following exercise of the first annual renewal option after the first year. There is a second renewal option after the second year with the potential maximum term until end of June 2027

⁵ As of 31 December 2020;

⁶ Adjusted with inflation thereafter

EnBW's conservative financial management based on its 2025 strategy translates into strong credit and sustainability ratings





Financial management

Debt repayment potential 2021-2025: ≥ 12%¹ Retained cash flow in relation to net debt

Coverage of pension and nuclear provisions
Asset Liability Management Model



Financial policy

Diversified access to various funding sources

Dividend policy²:

40% to 60% of adjusted Group net profit



Solid credit quality

MOODY'S
INVESTORS SERVICE

Credit rating: Baa1 Outlook: stable 18 May 2021



2 June 2021

Credit rating: A-Outlook: stable



Highly ranked sustainability ratings

ethix-climate-oekom

Rating: B (2021) Status: Prime MSCI ⊕

Rating: A (2021) Status: Average DISCLOSURE INSIGHT ACTION

Rating: B (2021) Status: Management SUSTAINALYTICS

Rating: 31 (2021) Status: High Risk

¹To maintain solid investment-grade ratings, EnBW regularly checks the 2025 target value for the debt repayment potential for managing its financial profile. ²EnBW strives to generally pay out between 40 % and 60 % of Adjusted group net profit

Questions & Answers



Appendix



>	Additional information Generation portfolio and own generation EnBW Group	Page 17
>	Climate neutrality by 2035	Page 18
>	Figures FY 2021	Page 19
>	Electricity generation hedge levels	Page 35
>	Maturities of EnBW's bonds	Page 36
>	IR contacts	. Page 37
>	Financial calender	Page 38
>	Disclaimer	Page 39

Generation portfolio and own generation EnBW Group



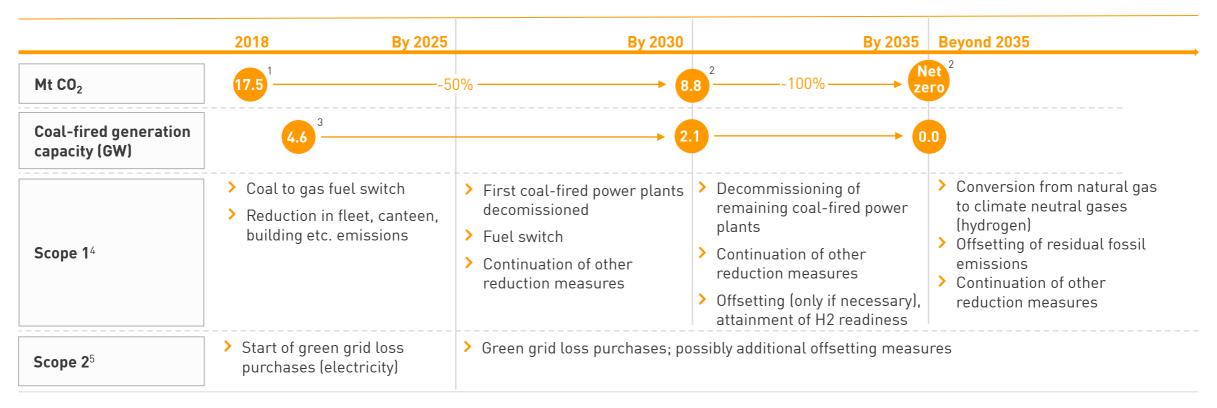
	Generation portfolio ¹ in MW		Own generation in GWh	
	2021	share	2021	share
Renewable Energies	5,100	40.1%	11,692	27.6%
Run-of-river	1,007	7.9%	5,150	12.2%
Storage/pumped storage (using natural flow of water) ²	1,517	11.9%	858	2.0%
Onshore wind	1,016	8.0%	1,746	4.1%
Offshore wind	976	7.7%	3,196	7.5%
Other renewable energies	584	4.6%	742	1.8%
Thermal power plants ³	7,622	59.9%	30,707	72.4%
Brown coal	875	6.9%	5,691	13.4%
Hard coal	3,467	27.3%	10,829	25.5%
Gas	1,166	9.2%	3,452	8.1%
Other	346	2.7%	152	0.4%
Pumped storage (not using natural flow of water)	545	4.3%	1,106	2.6%
Nuclear	1,223	9.6%	9,477	22.4%
Total	12,722	100%	42,399	100%

¹ As of 31 December 2021

Climate neutrality by 2035



Emission targets and measures



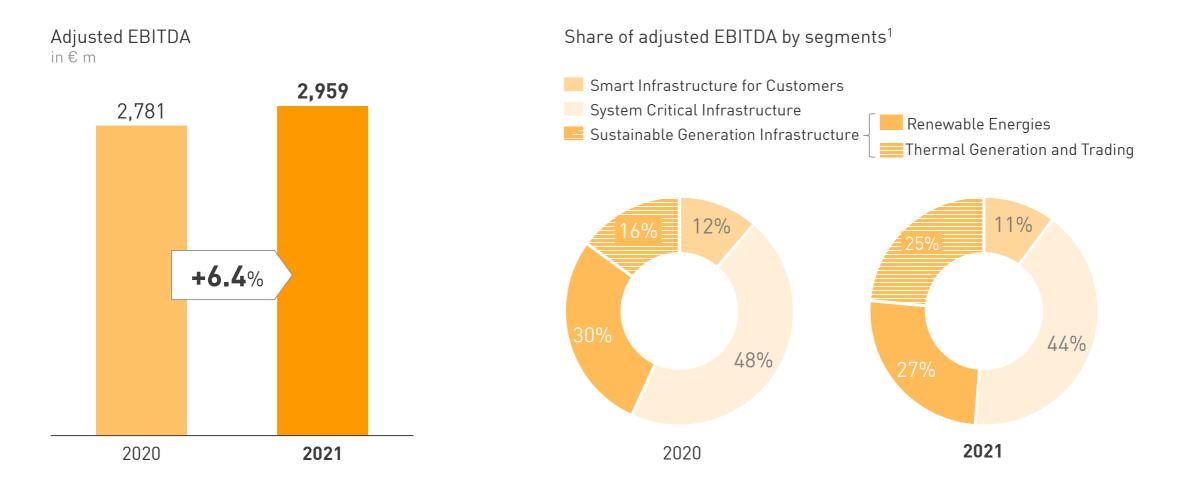
¹ Starting figure for Scope 1 and 2 (mainly power generation and grid losses) ² Target for Scope 1 and 2 ³ As of October 2020

⁴ All direct emissions from the activities of an organisation or under their control.

⁵ Indirect emissions from electricity purchased and used by the organisation.

Positive earnings development at upper end of forecast range





¹ Divergence from 100% due to others/consolidation

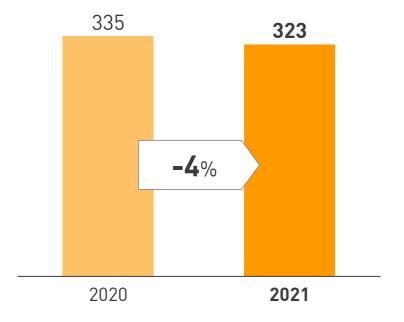
<u>^</u>

Smart Infrastructure for Customers

Positive development in underlying business overcompensated by rising procurement costs for basic service



Adjusted EBITDA in € m



Electricity and gas sales

- Improved earnings in commodity business
- Unpredictable increase in number of customers in basic service led to substantial additional procurement cost
- Bad debt allowances



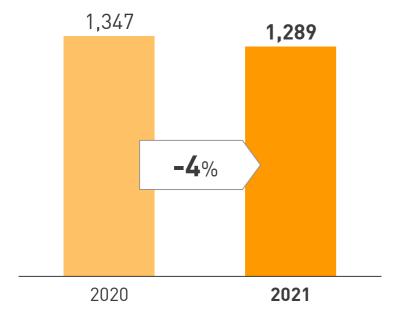
System Critical Infrastructure

Higher expenses to maintain security of supply



Adjusted EBITDA

in € m



Transmission and distribution grids

- Higher grid revenues
- Higher expenses for plants in grid reserve and procurement of balancing energy to maintain security of supply
- Higher personnel expenses due to necessary grid expansion

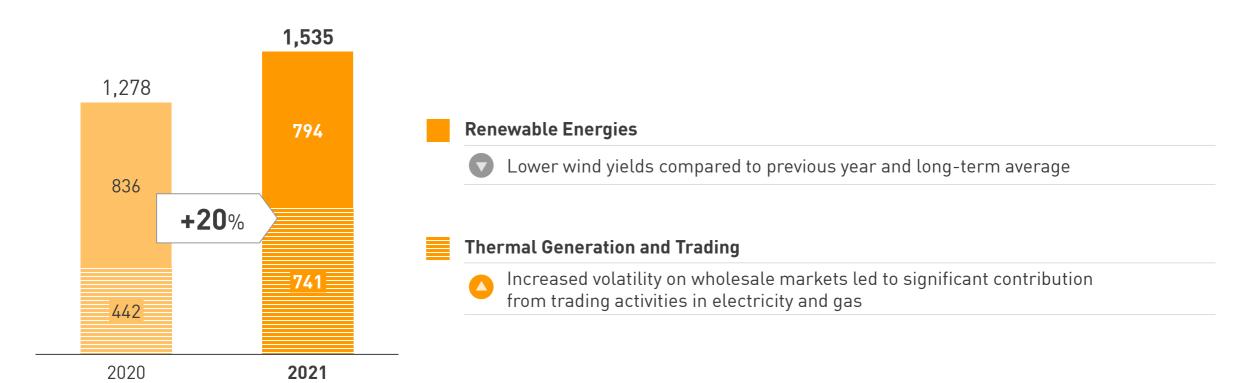
Sustainable Generation Infrastructure

Forecast range exceeded due to high market volatility



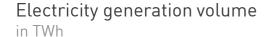
Adjusted EBITDA

in € m

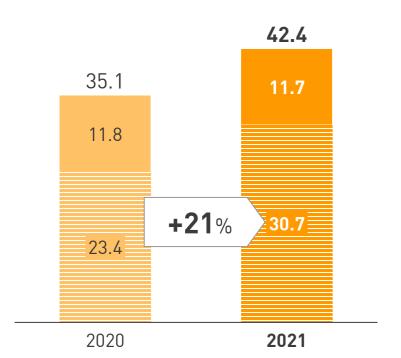


Thermal Generation high due to market-driven developments



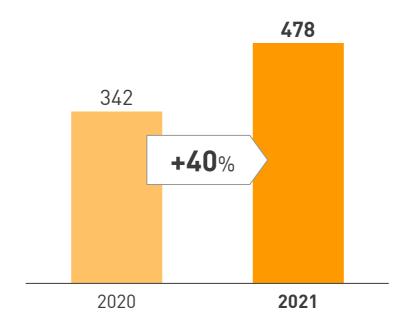


Renewable Energies Thermal Generation

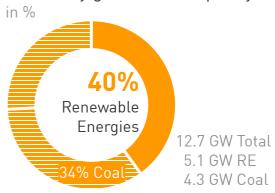


CO₂ intensity in g/kWh

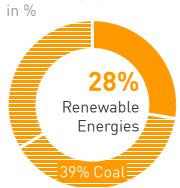
Target range 2025: 387 - 470g/kWh



Electricity generation capacity¹



Electricity generation volume²



Gradual coal phase-out and climate neutrality by 2035

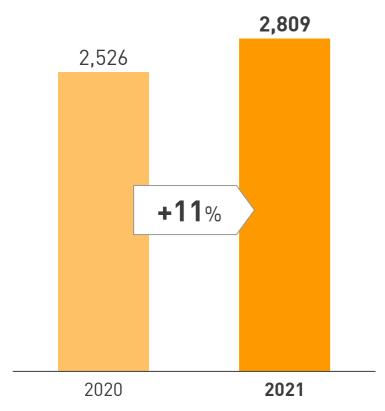
¹ As of 31. December 2021 2 2021

Investments focused on energy transition



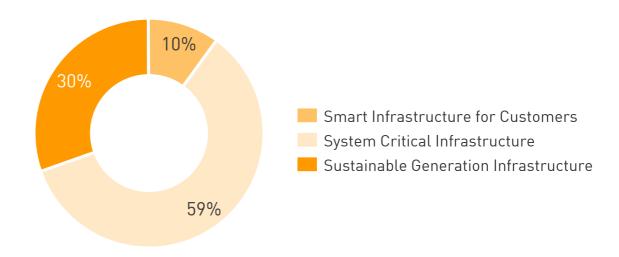


in € m



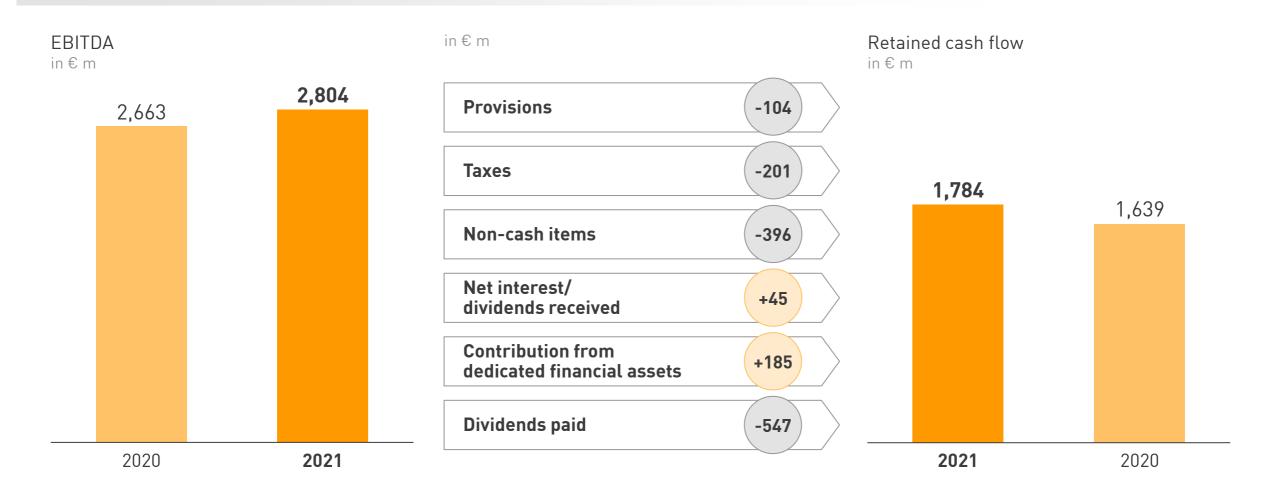
Net cash investment by segments

72% growth



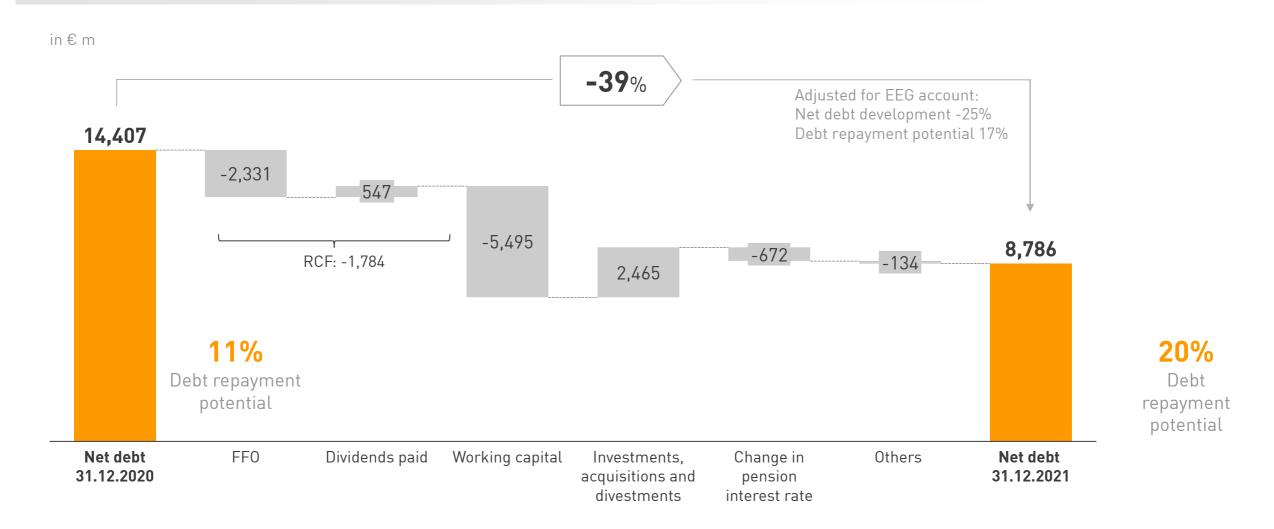
Higher RCF mainly due to increase in EBITDA





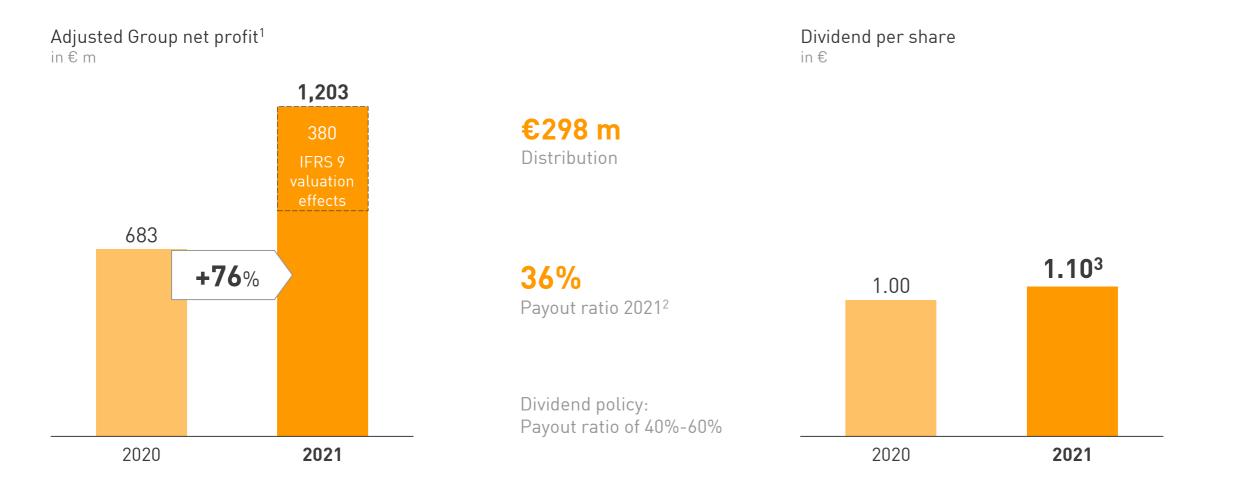
Reduction of net debt driven by significantly reduced working capital, higher RCF and increased pension discount rate





Adjusted Group net profit driven by improvement in financial result Dividend proposal of € 1.10

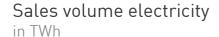


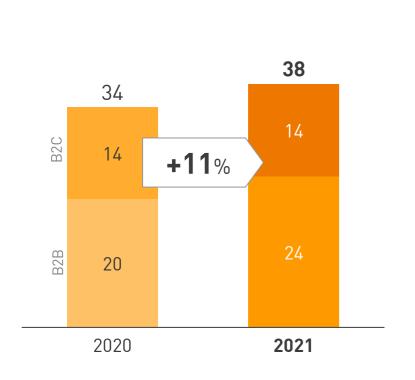


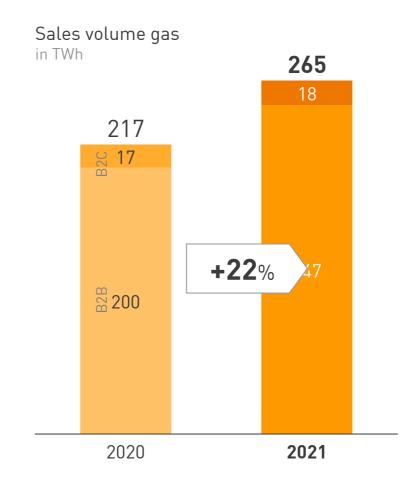
¹ Adjusted Group net profit attributable to the shareholders of EnBW AG
² Payout ratio related to adjusted group net profit additionally adjusted for IFRS 9 effects in financial result
³ Dividend proposal per share subject to the approval of the AGM 5.5.2022

Smart Infrastructure for Customers Sales volume





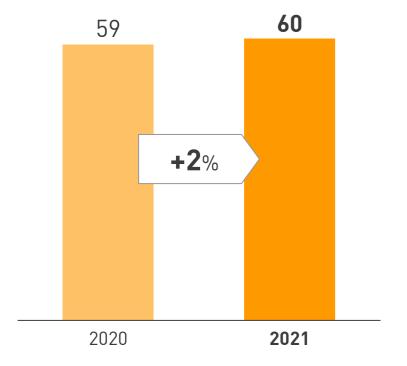




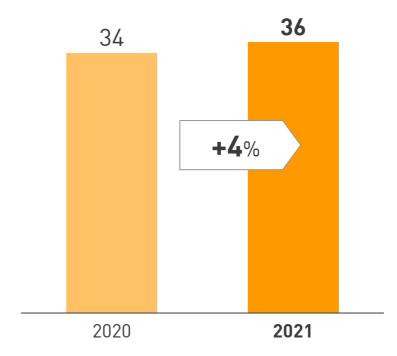
System Critical Infrastructure Transmission volume



Transmission volume electricity in TWh



Transmission volume gas in TWh



Non-operating result

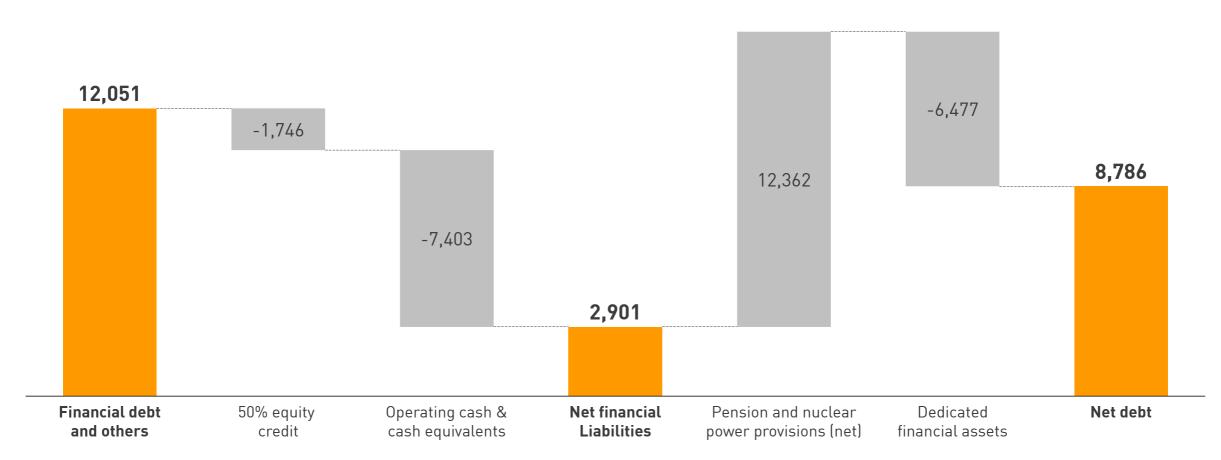


in € m	2021	2020	Change in %
			3
Income/expenses relating to nuclear power	70.5	43.7	61.3
Income from the reversal of other provisions	8.6	38.3	-77.5
Result from disposals	-6.6	2.4	-
Reversals of/additions to the provisions for onerous contracts relating to electricity procurement agreements	-343.1	-56.8	-
Income from reversals of impairment losses	69.5	16.9	-
Restructuring	-42.3	-53.9	-21.5
Other non-operating result	87.6	-108.5	-
Non-operating EBITDA	-155.8	-117.9	32.1
Impairment losses	-1,088.3	-1709	-
Non-operating EBIT	-1,244.1	-288.8	-

Calculation of net debt1



in € m

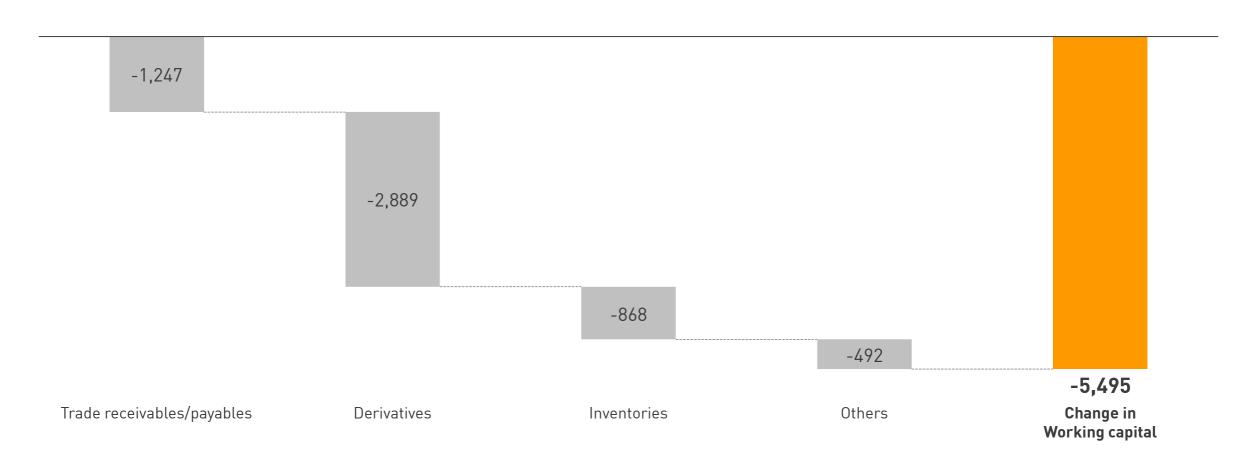


¹ As of 31 December 2021

Working capital effects¹



in € m



¹ 1.1. – 31.12.2021

Income statement



in € m

ın € m	2021	2020	Change in %
Revenue	32,147.9	19,694.3	63.2
Changes in inventories/other own work capitalized	276.9	245.1	13.0
Cost of materials	-25,951.0	-14,280.9	81.7
Personnel expenses	-2,457.5	-2,178.7	12.8
Other operating income/expenses	-1,212.8	-816.5	48.5
EBITDA	2,803.5	2,663.3	5.3
Amortization and depreciation	-2,644.7	-1,560.6	69.5
EBIT	158.8	1,102.7	-85.6
Investment and financial result	-354.5	100.1	-
EBT	513.3	1,002.6	-48.8
Income tax	-72.1	-195.0	-63.0
Group net profit	441.2	807.6	-45.4
of which profit shares attributable to non-controlling interests	(78.0)	(211.5)	(-63.1)
of which profit shares attributable to the shareholders of EnBW AG	(363.2)	(596.1)	(-39.1)

Retained cash flow

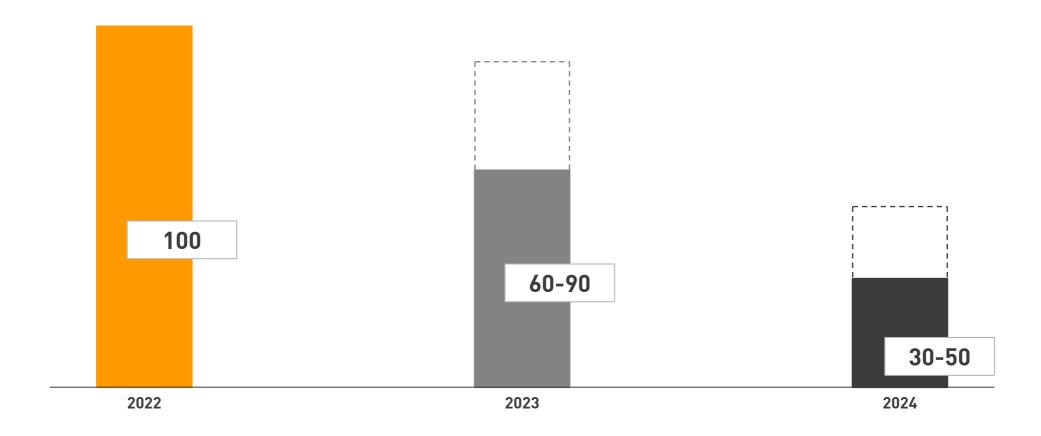


in € m	2021	2020	Change in %
EBITDA	2,803.5	2,663.3	5.3
Changes in provisions	-103.9	-553.3	-81.2
Non-cash-relevant income/expenses	-396.3	-26.1	-
Income tax paid	-200.6	-207.8	-3.5
Interest and dividends received	358.0	264.5	35.3
Interest paid for financing activities	-314.5	-236.1	33.2
Dedicated financial assets contribution	184.8	123.1	50.1
Funds from Operations (FFO)	2,331.0	2,027.6	15.0
Dividends paid	-547.2	-389.1	40.6
Retained Cashflow	1,783.8	1,638.5	8.9

Electricity generation hedge levels¹

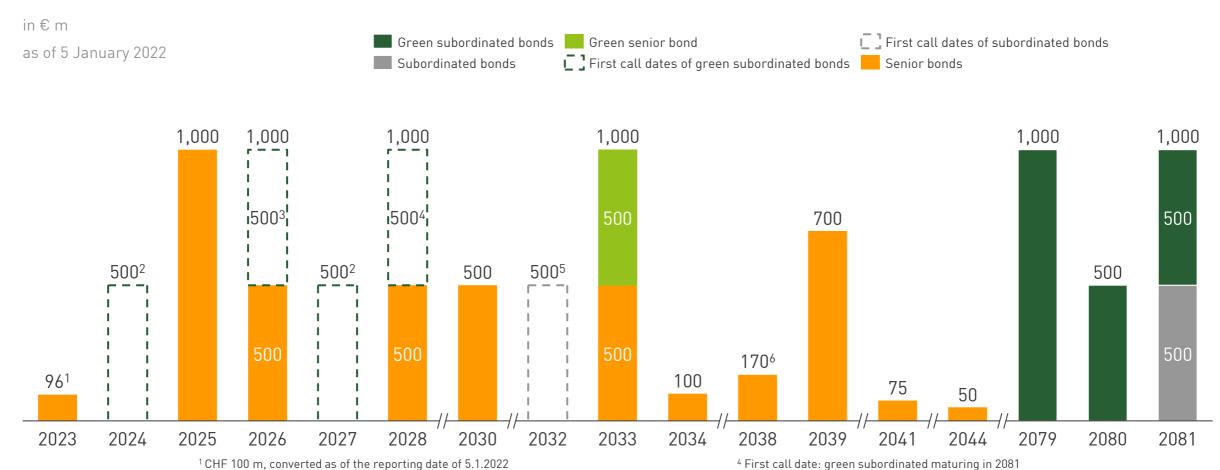


in %



Maturities of EnBW's bonds





² First call date: green subordinated maturing in 2079

³ First call date: green subordinated maturing in 2080

⁴ First call date: green subordinated maturing in 2081

⁵ First call date: subordinated maturing in 2081

⁶ JPY 20 bn (swap in €), coupon before swap 5.460

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Financial calendar



5 May 2022

Annual General Meeting 2022

13 May 2022

Publication figures Q1 2022 Investor and analyst conference call: 01:00 pm

12 August 2022

Publication figures Q2 2022 Investor and analyst conference call: 01:00 pm

11 November 2022

Publication figures Q3 2022 Investor and analyst conference call: 01:00 pm



Important note (1/2)



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