

## Credit & ESG Investor Update Leading the way to a green energy world

September 2022

### Disclaimer

This document contains forward-looking statements. These statements are based on the current views, expectations, assumptions and information of the management, and are based on information currently available to the management. Forward-looking statements shall not be construed as a promise for the materialisation of future results and developments and involve known and unknown risks and uncertainties. Actual results, performance or events may differ materially from those described in such statements due to, among other things, changes in the general economic and competitive environment, risks associated with capital markets, currency exchange rate fluctuations, changes in international and national laws and regulations, in particular with respect to tax laws and regulations, affecting the Company, and other factors. Neither the Company nor any of its affiliates assumes any obligations to update any forward-looking

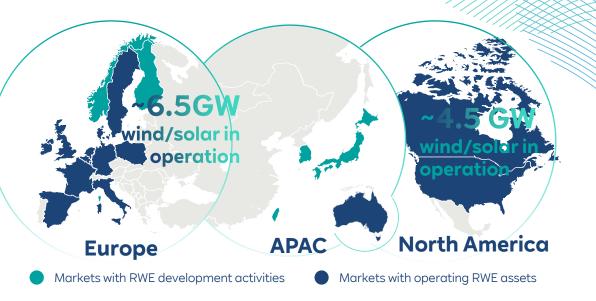
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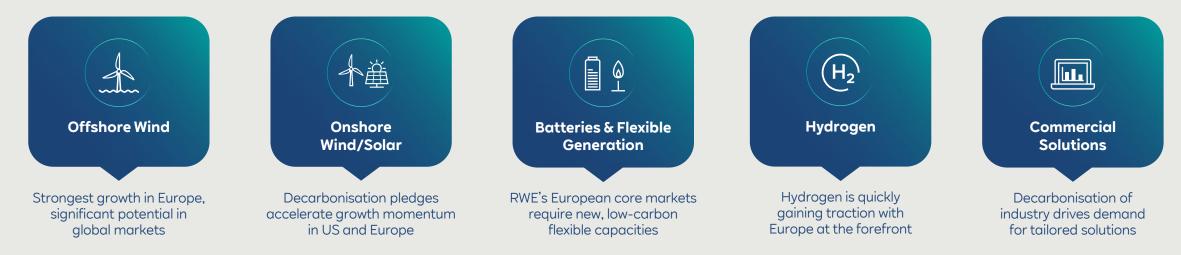
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## RWE

- Profile & Main activities
- HQ Location
- Employees
- Track record
- A leading operator of green generation assets with strong commercial platform
- ion Essen/Germany
  - ~18,200 **~20 years** in the renewables business **#2** offshore player globally **#2** gas fleet in Europe **>55 GW** development pipeline



#### Our core business is leading the way to a green energy world



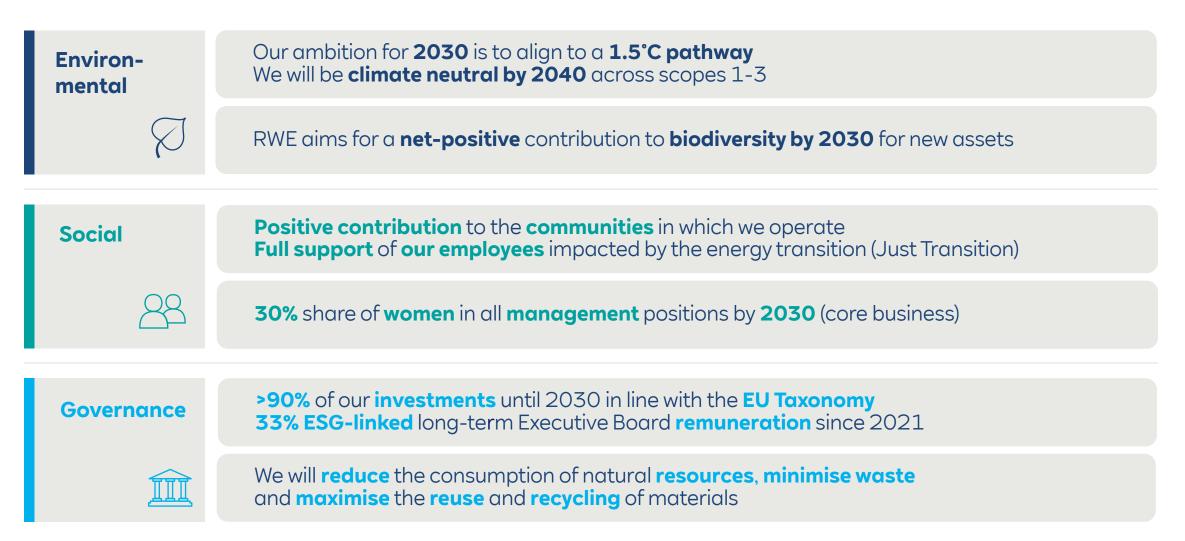
## RWE's Growing Green strategy: Leading the way to a green energy world

- Sustainability is at the heart of our strategy: our ambition is to reduce GHG emissions in line with a 1.5°C compliant pathway and to become net zero by 2040
- **RWE is perfectly positioned:** vast experience in green technologies, strong market presence in industrial growth markets, operating a leading commercial platform
- → We are significantly accelerating our green growth programme: €50bn gross / €30bn net cash investments until 2030 (i.e. >90% EU Taxonomy eligible capex), leading to 35 GW gross / 25 GW net capacity additions
- Our investment plans are driven by excellent teams our development pipeline stands at more than 55 GW across all relevant technologies
- Our portfolio in 2030 is powerful and green: 50 GW net installed capacity across wind, solar, batteries, flexible generation and hydrogen offering tailor-made energy supply solutions

→ Attractive investment returns result in earnings growth and Group EBITDA ambition of €5bn in 2030

Investment programme fully funded by strong operating cash flow and utilisation of our financial headroom incl. asset rotation – in line with our commitment to a strong investment grade rating

## **RWE's ambitions and targets on sustainability**



### Our approach to ESG contributes directly to the UN SDGs

#### Seven SDGs were defined as material in relation to the business activities of RWE

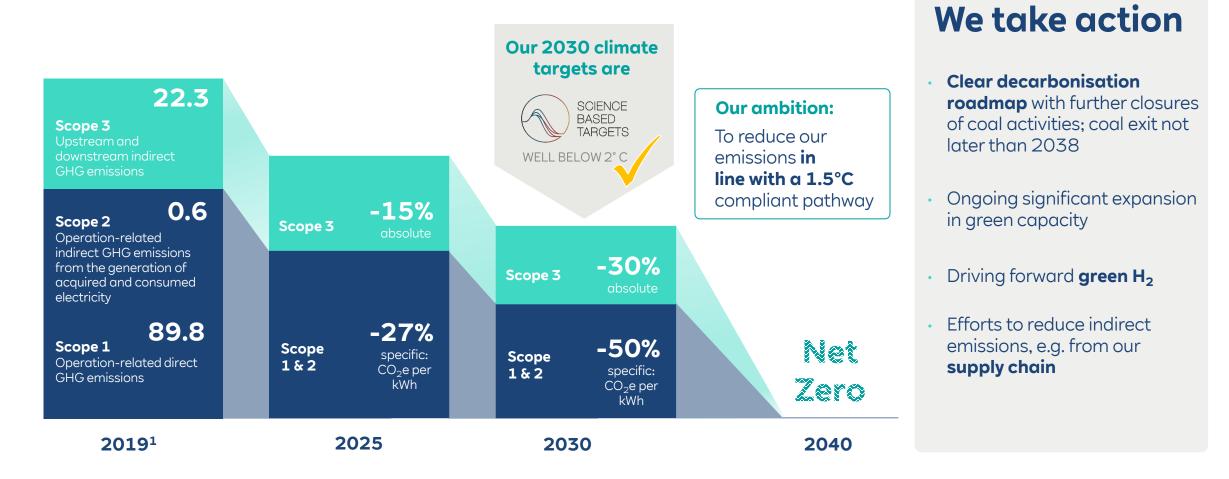


## Impressive improvement in major sustainability ratings



Note: Last shown rating scores based on the date of last comprehensive rating review.

## Ambitious science-based emission reduction targets lead the way to Net Zero



<sup>1</sup>2019 is the base year for our Science-based Target. | Note: Figures in million tonnes CO<sub>2</sub>-equivalent. | For more information on our carbon footprint, please visit <u>www.rwe.com/emissions</u>

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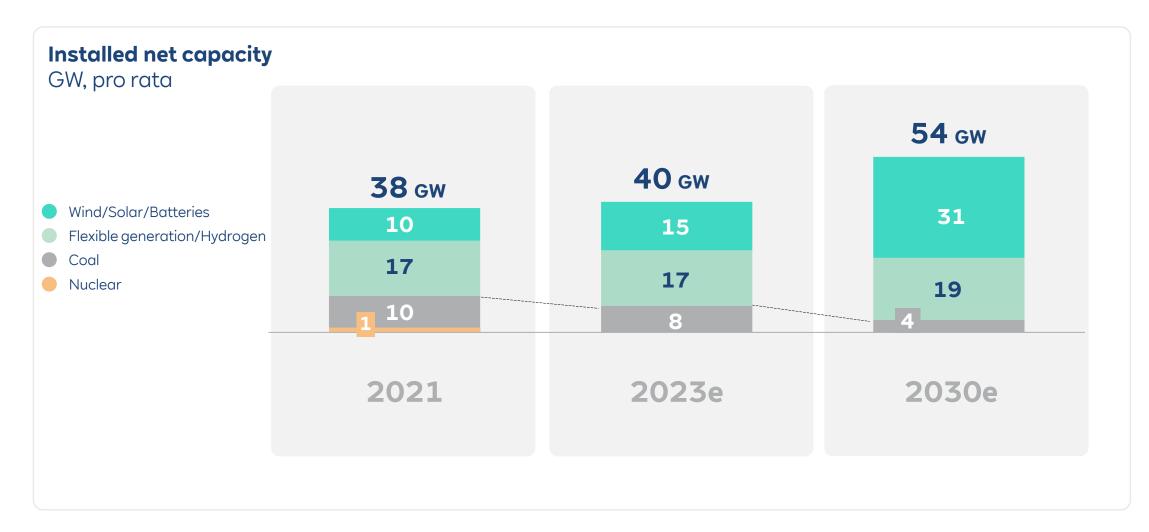
RWE

## Leading the way to a green energy world

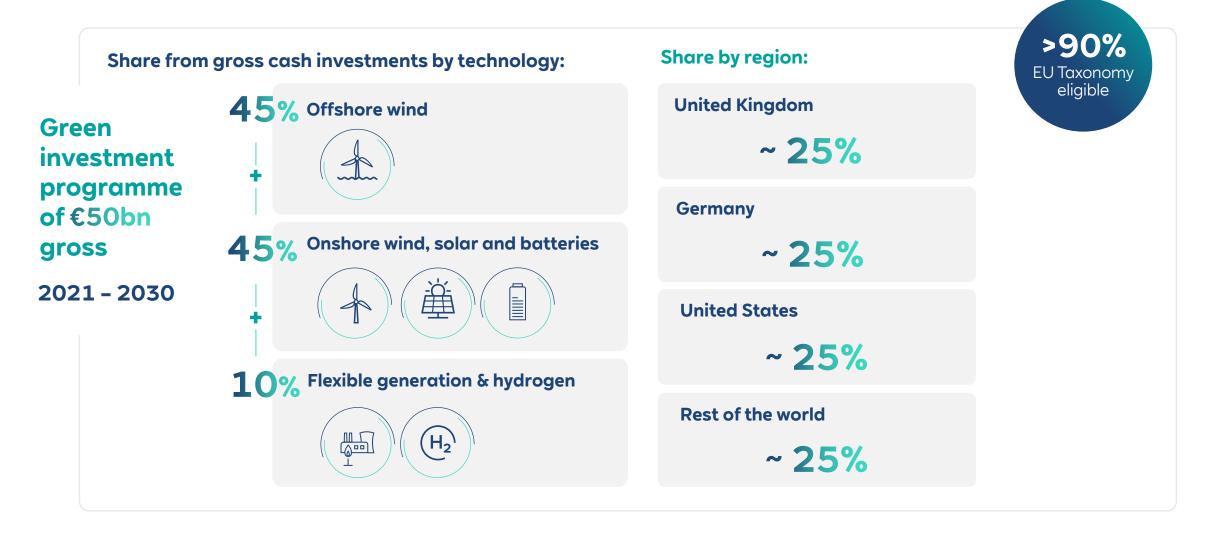
	2019	2021	By 2027	By 2030
Green net investments	~€ <b>1.5</b> bn	€ <b>2.4</b> bn	€ <b>21</b> bn	€30bn
Wind / Solar / Storage / H <sub>2</sub> net capacity	<b>8.7</b> gw	<b>10</b> gw	~ <b>25</b> gw	<b>33</b> gw
Adj. EBITDA	€ <b>3</b> bn	€ <b>3.7</b> bn	€ <b>3.8-4.2</b> bn	~€5bn
Scope 1/2 t CO <sub>2</sub> e/MWh	0.591	0.499	<0.431	0.296
Coal capacity	12.8 gw	9.7 gw	~7gw	 <b>4 / 0 gw*</b> (German coal exit 2038 or 2030)

date \* Coal exit in 2038 according to the existing German coal exit law; the federal government is reviewing an earlier exit for 2030. Page 11

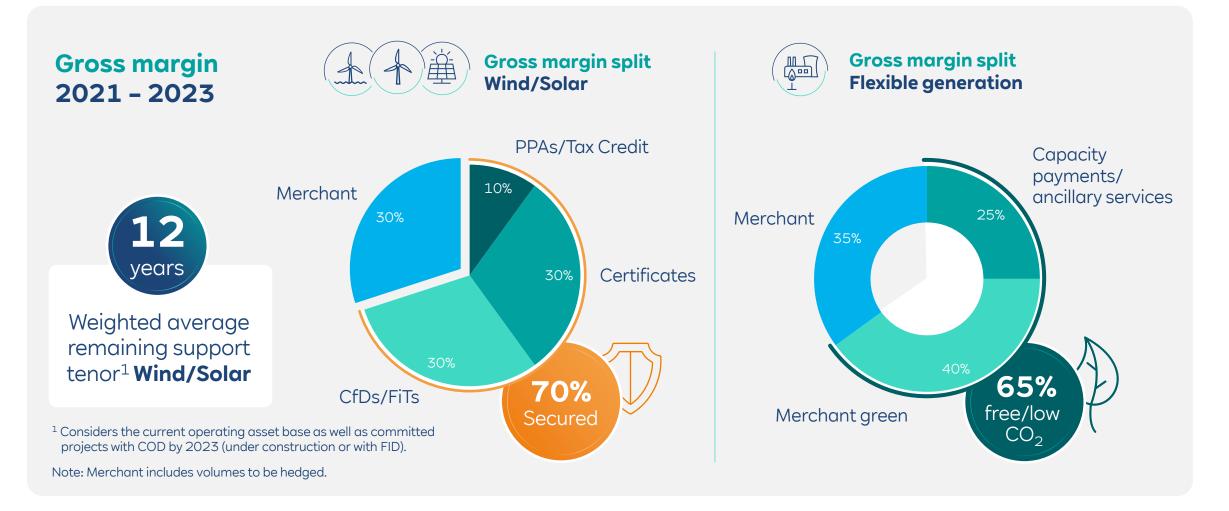
#### We are transforming rapidly into a green energy company



# We are accelerating our growth investments to €5bn gross annually



### Stable and sustainable earnings profile



# Our Growing Green strategy is set – Execution continues as planned – Acceleration to be explored

**GROWING GREEN** Our long-term strategy is set

## **EXECUTION** continues as planned

ACCELERATION all options will be explored

- €50bn gross cash investments in our core business until 2030
- **50 GW installed green net** capacity by 2030
- €5bn EBITDA ambition in 2030

- 1.2 GW of green capacity commissioned and 4.8 GW under construction
- US offshore market entry 3GW lease award at NY Bight auction<sup>1</sup>
- Acquisition of hydrogenready 1.4 GW Magnum gas plant in NL

<sup>1</sup> JV with National Grid Ventures. RWE share 73%.

- Utilising strong push for green transformation – ramping up our origination activities further
- Review of new build strategy for flexible assets – going straight to green fuels likely
- Faster and rigorous buildout of green import infrastructure creates additional opportunities

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# Stable and sustainable earnings backed by solid financial position and strong investment grade rating



- Continuously strong operating performance
- Strict balance sheet management and commitment to strong investment grade ratings
- **Positive rating trajectory** evidenced by upgrades with both Moody's and Fitch

2021/22

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2019

2020

## Capital Market funding used for sustainable investments

Funding of Sustainable Investments	<b>Debt Issuance</b> Programme complemented by <b>Green Bond Framework</b>	€3.25bn Bonds issued in 2022 <sup>1</sup>	30 Jun 2022 €10bn
	Cash and Marketable securities Commercial Paper Programme	€13bn €5bn	
Other Cash Requirements	Sustainability Linked Revolving C committed by international bank c	€8.0bn	
	Additional <b>bank facilities</b> including	g guarantee facilities	€9.2bn

<sup>1</sup>€2bn raised in May and €1.25 in August 2022.

#### **Key Messages – Delivering growth and value**



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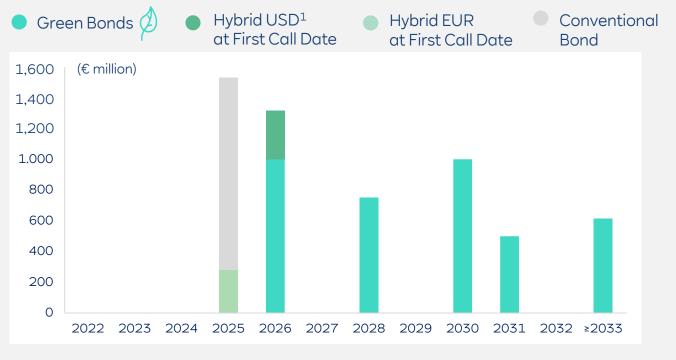
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### **Issuances and maturities of RWE's bonds**

#### RWE's Bond Maturity Profile with Sustainable Bonds as preferred financing tool for future growth



<sup>1</sup> Converted at the exchange rate from 1 Sept 2022. I Note: 2033 year includes a residual amount of €12m private placement.

#### **RWE's issuances**

• June 2021 🖉	(€500 m, 0.625%, 06/2031) 1 <sup>st</sup> Green Issuance					
• Nov 2021 Ø • Nov 2021 Ø	(€750 m, 0.5%, 11/2028) (€600 m, 1.0%, 11/2033)					
→ Total in 2021: €1.85 billion						
• May 2022 🖉	(€1,000 m, 2.125%, 05/2026)					
• May 2022 🖗	(€1,000 m, 2.75%, 05/2030)					
• Aug 2022 <sup>'</sup>	(€1,250 m, 2.5%, 08/2025)					
$\rightarrow$ 2022 to da	te: €3.25 billion					

#### Hybrid bonds:

April 2015 (€282 m, 3.50%, 04/2025)
June 2015 (\$317 m, 6.625%, 03/2026)

### RWE will be a frequent issuer of green bonds

	Туре	<b>Green Format</b>	<ul> <li>Funding strategy serves RWE's transition to a pure renewables player</li> <li>Conventional bonds only on an exceptional basis</li> </ul>
100% of proceeds	Volumes	Ø €1.5 – 2.5bn p.a.	<ul> <li>Driven by liquidity requirements and market circumstances</li> </ul>
will be allocated to green // technologies	Tenors	3 – 20 years	<ul> <li>Aiming to achieve a balanced maturity profile</li> </ul>
	Currencies	EUR, USD, GBP	<ul> <li>Currencies based on RWE's asset base</li> <li>Other currencies used opportunistically</li> </ul>
	Instruments	Senior and Hybrid	<ul> <li>Public senior bonds as base instrument</li> <li>Private placements, promissory notes (Schuldscheindarlehen)</li> <li>Hybrids potential supplemental instrument</li> </ul>

# Plain vanilla Green Bond Framework that only allows for high quality – dark green – wind & solar projects



RWE's Green Bond Framework<sup>1</sup> is aligned with SDG 7.2: 'increase substantially the share of renewable energy in the global energy mix'

> and based on: ICMA Green Bond Principles

RWE published its Green Bond Framework in 2020 and is currently working on updating its Framework to take account of the new EU Taxonomy

 Sustainalytics provided the Second-Party Opinion of the Framework

### Green bonds foster our renewables investments

#### Investment decisions based on strict hurdle rate approach

- Project IRR typically exceeding base renewables WACC by 100 to 300 bps.
- Hurdle rates include **risk premia** depending **on project risk profile** (technology, regulatory and remuneration risk)

#### Our green generation portfolio is growing with ~5 GW currently under construction

	Cffshore Wind		Onshore Wind		🚊 Solar	
ected nples	Kaskasi	Sofia	<b>Baron Winds</b>	Blackjack Creek	<b>Bright Arrow</b>	Limondale
Country	-				<b>É</b>	<u>نة</u>
Capacity pro rata	342 MW	1,400 MW	122 MW	118 MW	400 MW <sup>1</sup>	249 MW
(Expected) COD	2022	2026	2022	2022	2023	2021
Status	under construction	under construction	under construction	under construction	under construction	in operation

<sup>1</sup> Including storage (100 MW). I Note: As of 30 June 2022.

**RWE** Sept 2022 Credit & ESG Investor Update

# **RWE** Leading the way to a green energy world

## Society

 $CO_2$ 

We deliver the energy transition and will become **net zero by 2040** 

#### Customers

 $(\mathbf{I})$ 

We supply green energy solutions and support the decarbonisation of industries



#### Employees

We offer a highly attractive & international working environment with significant growth in green technologies. We also stand by our employees impacted by the energy transition

#### Shareholders & Fixed Income Investors

We create shareholder value by delivering profitable green growth

#### Our energy for a sustainable life.

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## Energy security becoming a top priority: Even stronger push for green transition expected

#### Short term focus:

**Ensure energy security** 

#### **Stepping up LNG imports**

- >40 LNG cargoes to Europe in H1 2022 (up 4x vs H1 2021)
- Floating LNG terminal
  - **FSRU<sup>1</sup> Brunsbüttel** to commence operations by end 2022

Ensuring high levels in gas storage facilities by beginning of winter

• **85% filling levels** in RWE owned gas storages

#### Increase in power generation

Reactivated / extended coal capacity in DE, NL

RWE is enhancing energy security

Medium/long-term focus:

Sustainable and secure energy supply

Further acceleration of energy transition in Europe: RES build out, H2, storage

RWE set to **deliver** its Growing Green strategy

#### Diversification of European gas supply

- RWE strong partner to develop German LNG terminal in Brunsbüttel (COD 2027)
- Active engagement in further ongoing LNG activities in the Baltic Sea in Germany
- MoU with Sempra for **delivery** of 3 bcm of LNG p.a. from US from 2027 onwards

<sup>1</sup> Floating Storage and Regasification Units.

# RWE actively risk managed its commodity position to increase company resilience

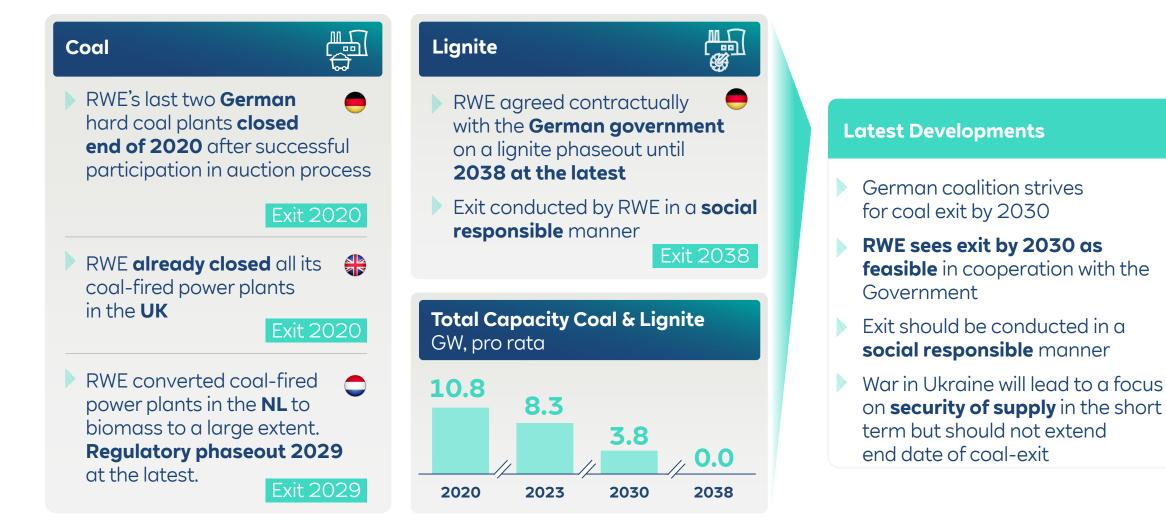
Gas supply contracts actively managed to mitigate risk	<ul> <li>Financial exposure to Russian counterparties fully removed</li> <li>No further financial downside from exposure to Russian counterparties as financial impact fully covered in H1 results</li> <li>German gas levy: no intention to claim losses from shortfall of Russian gas supply</li> </ul>
UK & EU sanctions prevent Russian coal deliveries	<ul> <li>Sanctions lead to write-off of market value of 12m tonnes hard coal contract</li> <li>After final settlement in Q2 total write-off is €750m included in non-operating result (previously reported write-off of €850m in Q1)</li> <li>No further risk from hard coal contracts with Russian counterparties</li> </ul>
Hedging approach adjusted to manage uncertainty in commodity markets	<ul> <li>Risk-averse hedge path to avoid delivery obligations from German gas plants</li> <li>Additional buffer to cover for unplanned outages of power plants</li> </ul>
Counterparty risks continuously managed	Strict monitoring and <b>credit limit management</b>

## Annex

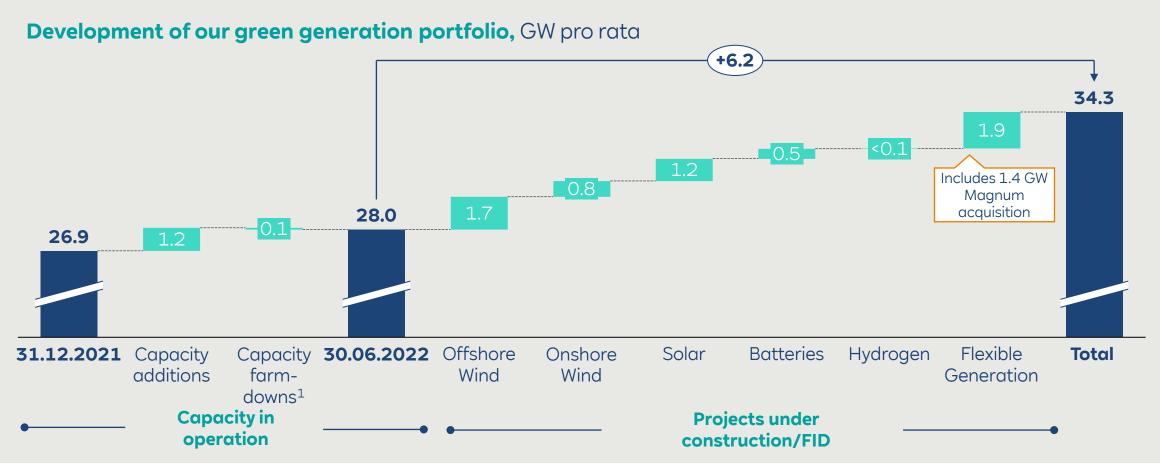
## A broad view on sustainability: Strong ambitions on numerous ESG issues

TOPICS	AMBITION	ACTIONS	Selected metrics
<b>Biodiversity</b> including Water Security	Because we care about the biodiversity impact of our business, we commit to the highest standards in recultivation. For new assets, we aim for a <b>net-</b> <b>positive contribution to biodiversity</b> <b>by 2030</b> .	<ul> <li>Participant in the Corporate Engagement Program of Science Based Targets for Nature</li> <li>Dedicated biodiversity policy for the Rhenish Lignite Area, underlining our state-of-the-art recultivation efforts</li> <li>Environmental impact assessments as core part of the planning phase of each asset</li> <li>Track record of no serious environment events</li> </ul>	23,000 ha recultivated land
<b>Circular Economy</b> including Waste	We implement the principles of a <b>circula</b> <b>economy</b> in our way of working. We reduce the consumption of natural resources, minimise waste and design our assets so that we <b>maximise the</b> <b>reuse and recycling</b> of materials.	<ul> <li>As pioneers in wind circularity RWE tests world's first recyclable wind turbine blade at its offshore wind farm Kaskasi</li> <li>Sustainable waste management is also part of a responsible approach to resources</li> </ul>	100% coverage of EMS
Social Responsibility	We make a <b>positive contribution to the</b> <b>communities</b> in which we operate. In the sense of a Just Transition, <b>we stand by</b> <b>our employees</b> who are impacted by the energy transition and <b>find</b> socially responsible <b>solutions and perspectives</b> .	<ul> <li>Long-standing partnerships in the Rhenish lignite area. Agreed collective agreement on coal exit that ensures a clear commitment to a socially acceptable exit from coal- fired power generation</li> <li>More than 750 apprentices in the Group.</li> </ul>	~€30m to communities in the UK over the past 20 years
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# Coal & Lignite: Transparent exit plan with acceleration on the agenda

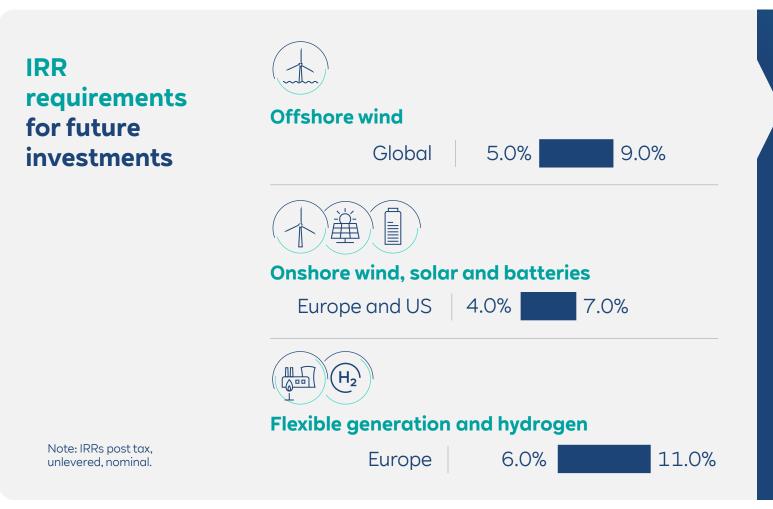


## Significant green portfolio growth with 6.2 GW underway



<sup>1</sup> Includes capacity closures, changes after repowering etc..

## Strict investment criteria ensure attractive returns



Investment decisions based on strict hurdle rate approach with project IRR typically exceeding base WACC by 100 to 300 bps

 Hurdle rates include risk premia depending on project risk profile

Regular post completion reviews to monitor investment performance and derive learnings for future decisions

## Outlook FY 2022

#### Group outlook FY 2022, € million

Core adj. EBITDA	4,300 - 4,800
Adj. EBITDA RWE Group	5,000 - 5,500
Depreciation	~-1,600
Adj. EBIT	3,400 - 3,900
Adj. Financial result	~-450
Adj. Tax	15%
Adj. Minorities	~-350
Adj. Net income	2,100 - 2,600
Dividend target	€0.90 per share

#### Divisional outlook FY 2022- adj. EBITDA, € million

Core	
Offshore Wind	1,350 - 1,600
Onshore Wind/Solar	900 - 1,100
Hydro/Biomass/Gas	1,400 - 1,700
Supply & Trading	Significantly >350
Other/Consolidation	~-150
Coal/Nuclear	650 - 750

Note: Outlook FY 2022 as of July 2022.

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## **Economic net debt**

#### Net assets / net debt

30 Jun 2022	31 Dec 2021	+/-
4,615	5,825	-1,210
8,299	8,347	-48
14,955	12,403	2,552
27,869	26,575	1,294
-12,907	-10,704	-2,203
16	-9	25
-6,112	-7,090	978
-19,003	-17.803	-1,200
296	290	6
9,162	9,062	100
-1,077	-1,934	857
838	459	379
-5,899	-6,029	130
-1,132	-1,198	66
1,892	360	1,532
	4,615 8,299 14,955 <b>27,869</b> -12,907 16 -6,112 <b>-19,003</b> 296 <b>9,162</b> -1,077 838 -5,899 -1,132	4,615 $5,825$ $8,299$ $8,347$ $14,955$ $12,403$ $27,869$ $26,575$ $-12,907$ $-10,704$ $16$ $-9$ $-6,112$ $-7,090$ $-19,003$ $-17.803$ $296$ $290$ $9,162$ $9,062$ $-1,077$ $-1,934$ $838$ $459$ $-5,899$ $-6,029$ $-1,132$ $-1,198$

#### Net debt definition

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- Net debt does not contain mining provisions, which essentially cover our obligations to recultivate opencast mining areas
- Financial assets we currently use to cover these provisions are also not part of the net debt, i.e.
  - €2.6bn claim against the state for damages arising from the lignite phaseout
  - E.ON stake of 15%

#### H1 2022

## Increase of net assets due to strong operating cash flow as well as higher interest rates for pension provisions

#### **Development of net debt in H1 2022,** € billion

(+ net debt / - net assets)



 $\rightarrow$  Net cash investments into green growth include seabed lease payment for 3 GW gross from NY Bight auction

- Other changes in net financial debt include mainly timing effects such as variation margins from hedging and trading activities
- Changes in provisions driven by decrease of pension provisions due to higher discount rates albeit a partly compensating effect from a negative performance of plan assets

<sup>1</sup> Includes pension and wind/solar provisions but excludes nuclear provisions as they are not part of adj. operating cash flow. | Note: Rounding differences may occur.

## Your contacts at RWE

#### **Important Links**

- Annual and interim reports & statements
- Bonds at a glance
- <u>Credit ratings</u>
- Green Bond Framework & Second Party Opinion
- RWE Green Bond Report

#### **Financial Calendar**

- **10 November 2022** Interim statement on the first three quarters of 2022
- **21 March 2023** Annual report for fiscal 2022
- **04 May 2023** Annual General Meeting
- **11 May 2023** Interim statement on the first quarter of 2023

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