

Factbook 2024

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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 statements.

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RWE Group

Dage 4

Energising the future. For 125 years. Now, RWE is shaping the new energy era.



company.

Company overview

Key facts

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HQ Location	Essen
Employees	~20,135
Incorporation	1898
Profile & Main activities	A leading operator of generation assets with strong commercial platform
Geographic footprint	Europe, North America and APAC

Executive Board





CFO



Katja van Doren CHO



Shareholders

CFO

Ownership

Other institutional shareholders	73%
Private shareholders	11%
Qatar Investment Authority (QIA)	9%
BlackRock	6%
Employee shareholders	1%

Market cap. €25.6bn¹

Shares ~744mn

RWE at a glance

Driving force behind the energy transition – with a powerful position

Well-established robust company with strong financial performance	125 years track record	~20,135 employees	€25.6 bn market cap	5 - 10% p.a. dividend growth target	€3.1 bn dividend payments past 5 years
Experienced operator of power generation assets with strong commercial platform	46.5 GW installed capacity ¹	~130 TWh total power generation	~88 TWh power generation excl. Phaseout technologies	70% share of secured gross margin wind & solar	Top 500 blue chip customers rely on RWE's commodity solutions
Enhanced investment for energy transition	€55 bn Net cash investments 2024-2030	> 65 GW Net capacity target by 2030	≤3.5x Leverage factor post 2025	>100 GW Development Pipeline	Net Zero by 2040

Business model fully aligned with our strategic focus on the energy transition.



RWE's Executive Board

Chief Executive Officer (CEO)



Dr. Markus Krebber

Born 1973, with RWE since 2012, Member of the Executive board of RWE AG since 2016, CEO since 2021.

Group departments

- Energy Transition & Regulatory Affairs
- Group Communications & Public Affairs
- Legal, Compliance & Insurance
- Mergers & Acquisitions
- Strategy & Sustainability

Chief Financial Officer (CFO)



Dr. Michael Müller

Born 1971, with RWE since 2005, Member of the Executive board of RWE AG since 2020, CFO since 2021.

Group departments

- Finance & Credit Risk
- Tax
- Accounting
- Controlling & Risk Management
- Investor Relations

Chief Human Resources Officer (CHO) & Labour Director



Katja van Doren

Born 1966, with RWE since 1999, Member of the Executive board of RWE and CHO since 2023.

Group departments

- Human Resources
- Information Technology
- Corporate Transformation
- Internal Audit & Security

We have accelerated our profitable growth across technologies and regions



We will operate a well diversified portfolio in 2030



Our extensive pipeline allows the selection of the most attractive investments



We are continuing our profitable growth on the back of excellent capabilities and favourable market fundamentals

Favourable market fundamentals

Strong positioning in our core markets with significant investment needs in the energy system; policy support for energy transition will adapt to new market fundamentals

Extensive pipeline

Strong pipeline across technologies and regions that allows us to select and focus on projects with the most attractive risk-return profile

average IRR for new projects **Financial headroom**

Strong balance sheet and high-cash generating business portfolio

Experienced team

Extensive inhouse know-how across technologies and within **core markets**, as well as a **best-in-class commercial platform**

We stick to strict investment criteria to ensure attractive returns



✓ IRR requirements reflect current interest rate environment

- Commitment to 100 300bps spread above WACC
- Hurdle rates include risk premiums depending on project risk profile
- Post completion reviews carried out regularly for monitoring investment performance and lessons learned for future decisions

Our investments will drive strong bottom-line growth; capital allocation will be constantly reassessed



- **Strict monitoring** of investment environment with clear commitment to profitability
- Capital allocation will be constantly reassessed in light of changing risk-reward environment
- Clear focus on bottom line earnings/EPS

High share of earnings from secured or regulated income streams in wind and solar business



Note: Merchant includes volumes to be hedged. | 1 Considers the current operating asset base as well as committed projects with COD by 2025 (under construction or with FID).

We are able to secure highly attractive offtake solutions in our core markets

Envisaged route-to-market					
Offshore wind		USA	Germany	υκ	Rest of Europe/World
~		Tax credits, CfD	CfD, PPA, Merchant ¹	CfD	CfD, PPA, Merchant ¹
Onshore		USA	Germany	υκ	Rest of Europe/World
2		Tax credits, PPA, Merchant ¹	CfD	CfD	CfD, PPA, Merchant ¹
Solar		USA	Germany	υκ	Rest of Europe/World
Ĩ		Tax credits, PPA, Merchant ¹	CfD	CfD, PPA	CfD, PPA, Merchant ¹

¹ to a limited extent.

Shareholder structure of RWE AG



RWE shareholders¹



¹ As of the end of 2023. | ² Management target.

Share indicators

		31 July 2024
Number of shares	thousands	743.841
Share price	€	34.37
Market capitalisation	€ billion	25.6

Dividend (in €)



Net debt increases due to CEB acquisition, and the planned execution of our growth programme

Development of net debt in EUR bn (+ net debt/- net assets)



Main drivers of net debt development in FY 2023

Adj. operating cash flow cash flow driven by strong operational performance across all segments	Acquisition of CEB	Net cash investments Further net cash investments into growth
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Solid investment grade rating on the back of strong and sustainable financial performance

Current rating

Long-term debt	Moody's	Fitch Ratings
Senior debt	Baa2	BBB+
Hybrid bonds	Bal	BBB-
Short-term debt	P-2	F1
Outlook	stable	stable

- We pursue a conservative financial policy strategy, with proven access to liquidity and diversified funding
- As of today, max. leverage factor of net debt/adj. EBITDA of ≤3x
- Post 2025, max. leverage factor of net debt/adj. EBITDA of ≤3.5x
- We are committed to maintain a strong investment grade rating

Maturities and historical issuances of bonds

Our bond maturity profile with green bonds



Green Senior Bonds 🔵 Hybrid Bonds at First Call Date 🕚 Senior Bond

Historical issuances

	2021	2022	2023	2024YTD
Green senior bonds (across # of issuances)	€1.85bn (#3)	€2.0bn (#2)	€1.0bn (#2)	€0.5bn \$2.0bn (#2)
Senior bond (across # of issuances)		€1.25bn (#1)		

USD and EUR debt capital markets will play an integral role in RWE's growth story going forward

We are a frequent issuer of green bonds

	Type Green Format	 Funding strategy serves RWE's transition to a green player Conventional bonds only on an exceptional basis 	aligned ★★★★
	Volumes Avg. €3.0 – 3.5 bn p.a.	Driven by financing requirements and market conditions	
	Tenors 3 - 30 years	Aiming to achieve a balanced maturity profile	
	Currencies EUR, USD, GBP	 Currencies based on RWE's asset base Other currencies used opportunistically 	
•	Instruments Senior Bonds	 Public senior bonds as base instrument Private placements Special (bank) financings if available and beneficial for our green project 	cts

Green bonds foster our renewables investments







¹ Including storage (137 MW).

Our Growing Green plan is fully financed

Funding composition 2024 - 2030 EUR bn



Sustainable Finance at RWE



Sustainability-Linked Financing Instruments, Frameworks and Policies:

- Taxonomy-aligned KPIs integrated into RWE's Revolving Credit Facility
- RWE Green Bond
 Framework
- **Green Bonds** as preferred financing tool
- SUSTAINALYTICS
- **ESG criteria** integrated into third-party processes and in financial investments
- ¹ Our taxonomy-aligned business activities primarily comprise electricity generation from onshore and offshore wind, solar and hydropower (run-of-river, pumped storage).

We will rapidly decarbonise our portfolio



We are committed to 1.5°C aligned emission reduction pathway



¹ SBTi verification ongoing.

RWE's approach to ESG contributes directly to the UN SDGs

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



Continuous improvement and maintaining high level in major sustainability ratings







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

We grow, we act, we care: Nine priority topics constitute our RWE Sustainability Strategy

WE GROW

We grow our green business and create sustainable value by investing in technologies leading the way to a green energy world. Our key focus is on sustainable investments and innovation.

One example of our ambition:

~95% of our investments from 2024 to 2030 are aligned with the EU Taxonomy.

Sustainable investment

Innovation

WE ACT

We preserve nature for future generations, taking scientific facts and methods into account. Our activities address climate change, biodiversity and recultivation as well as the circular economy.

One example of our ambition: Reducing our emissions in line with the 1.5-degree path.

Climate change Biodiversity & recultivation Circular economy

WE CARE

We recognise the interests of our stakeholders and act responsibly wherever we operate. Our focus lies primarily on social and societal responsibility, diversity, compliance as well as occupational health and safety.

One example of our ambition: We make a positive contribution to the communities in which we operate.

Social responsibility

Occupational health & safety

Diversity, equity & inclusion

Compliance & ethics

Well balanced composition of our Supervisory Board members



Supported

Driving the transition: How innovative solutions help us meet tomorrow's challenges today.

Floating offshore wind power



In cooperation with renowned partners, we are entering completely new regions with wind power. This technology is gaining importance, especially in countries with coasts that drop away steeply, such as Japan, the USA and France.

Recyclable blades

Almost half of our UK offshore wind farm Sofia will be equipped with special recyclable rotor blades. Our supplier Siemens Gamesa is manufacturing them using a new type of resin with a chemical structure that allows for the different materials to be separated. This makes it possible to reuse the individual components once the rotor blade has reached the end of its lifetime.

Multi-fuel conversion

By heating sewage sludge, the phosphorus it contains is separated. The remaining gas mixture of hydrogen and carbon can be processed in further steps to produce basic chemicals or fuels.



Floating solar farms offer potential for power generation and climate protection, and the technology hasn't been widely adopted yet. In contrast to ground-mounted systems, the PV modules are mounted on floats, which are put out on bodies of still open water and on the sea.



Battery storage

RWE operates battery storage systems in Europe and the USA and has experience in various lithium-ion battery technologies. The innovative areas also cover second-life electric-vehicle batteries and renewable energy as well as storage applications. RWE also has powerful, intracompany capacities to integrate systems and an in-house Energy Management System.

Hydrogen - the energy source of the future. Hydrogen is an allrounder when it comes to the energy transition. Produced climate-neutrally and re-electrified if necessary; from an energy system perspective, this makes it an ideal storage medium for wind and solar power.



First steps towards large-scale hydrogen production. One of the first cross-sector hydrogen initiatives in Germany is GET H2 in which we work with companies and research institutes. By 2027, three electrolysers are set to be built on the site, each with a capacity of 100 MW and a 14 MW pilot plant.

Regulations

Regulatory regimes for renewables in the US

	Support regime	Remuneration
Offshore	 Investment Tax Credit (ITC) Offshore Renewable Energy Certificates (ORECs)¹ Mandatory procurement via Renewable Portfolio Standards (RPS)/clean energy goals 	Various revenue streams depending on state and market:
Onshore	 Production Tax Credit (PTC) annually inflation-adjusted, paying out over 10 years. Full PTC value (including labor provisions) for projects that have begun construction after 2021. Renewable Energy Certificates (RECs) Mandatory procurement via Renewable Portfolio Standards (RPS)/clean energy goals Modified Accelerated Cost-Recover System (MACRS): Accelerated depreciation for tax equity investors & developers over 5 years, majority of capex can be expensed in year placed in service (bonus depreciation) Investment Tax Credits (ITC) also possible, not inflation-adjusted 	 Tax credits via PTC (\$28/MWh²) or ITC (30%² of capex). Certain bonus adders also may apply for Domestic Content and Energy Communities that can provide an additional 10% each, in absolute term for ITC and proportional on the (\$28/MWh) for PTC Energy revenues via wholesale market or PPA (10-20 years) Capacity revenue via market or part of PPA RECs via market or part of PPA
Solar	 Investment Tax Credit (ITC) Production Tax Credit (PTC) Renewable Energy Certificates (RECs) Mandatory procurement via Renewable Portfolio Standards (RPS)/clean energy goals Modified Accelerated Cost-Recover System (MACRS) 	

¹ New York OREC functions as a two-sided CfD. |² assumes prevailing wage and apprenticeship requirement are met.



Regulatory regimes for renewables in the UK

Support regime

Offshore	 Renewable Obligation Certificate (ROC)¹ scheme no longer open to new projects Two-sided Contracts for Difference (CfD), awarded through a pay-as-clear auction. First Contract for Difference (CfD) allocation round was in 2015, auctions are now annual For the 2024 auction (AR6) offshore wind has been moved back into its own pot (pot 3) The 2024 auction opened in March and is expected to conclude in September Offshore wind projects are also eligible for the Capacity Market (CM) Support Scheme For the 2023 auction (AR5) offshore wind was included in "pot 1" with onshore wind and solar. Low ceiling prices for offshore, which were below economic levels, meant no offshore wind cleared in this round 	 ROC: Wholesale market + 0.9 or 1.0x ROC/MWh based on COD Current buy-out price per ROC: £64.73 (2024/25) Term: 20 years (indexed to RPI) CfD: Wholesale market + CfD top-up/payback to government entity Term: 15 years (CPI inflation linked) Recent offshore wind average CfD clearing prices (2012 money): Allocation Round 4 (2022) = £37.35/MWh Allocation Round 5 (2023) = No projects cleared
Onshore	 Renewable Obligation Certificate (ROC)¹ scheme no longer open to new projects Two-sided Contracts for Difference (CfD), awarded through a pay-as-clear auction. First Contract for Difference (CfD) allocation round was in 2015, auctions are now annual The 2024 auction opened in March and is expected to conclude in September Onshore wind was included in the first round in 2015 but then excluded until Allocation Round 4 (AR4) in 2022 Onshore wind and solar PV are in "pot 1" of the scheme, separate from offshore (in pot 3). Onshore wind projects are also eligible for the Capacity Market (CM) Support Scheme Generators cannot have both a CfD and a CM contract and must face a one-off choice between the two. Limited take-up of CM contracts from renewables assets, with the scheme far less lucrative than the CfD 	 ROC: Wholesale market + 1.0-2.0x ROC/MWh based on COD Current buy-out price per ROC: £64.73 (2024/25) Term: 20 years (indexed to RPI) CfD: Wholesale market + CfD top-up/payback to government entity Term: 15 years (CPI inflation linked) Generators with a CfD sell power into the wholesale market and receive the difference between the market price and the strike price level they received in the auction. Recent onshore wind average CfD clearing prices (2012 money): Allocation Round 4 (2022) = £42.47/MWh Allocation Round 5 (2023) = £52.29/MWh
Solar	 Two-sided Contracts for Difference (CfD), awarded through a pay-as-clear auction. First allocation round was in 2015, auctions are now annual Solar PV was included in the first round in 2015 but then excluded until Allocation Round 4 (AR4) in 2022. Future auctions will be annual. The 2024 auction opened in March and is expected to conclude in September Onshore wind and solar PV are in "pot 1" of the scheme, separate from offshore (in pot 3). Solar PV projects are also eligible for the Capacity Market (CM) Support Scheme 	CfD: • Wholesale market + CfD top-up/payback to government entity • Term: 1.5 years (CPI inflation linked) Recent solar PV average CfD clearing prices (2012 money): 1. Allocation Round 4 (2022) = £45.99/MWh 2. Allocation Round 5 (2023) = £47.00/MWh Route-to-market also via PPAs

Remuneration

¹ROCs is a legacy scheme no longer open to projects, support will run for 20 years or to March 2037, whichever is sooner.

Regulatory regimes for renewables in Germany

	Support regime	Remuneration
Offshore	 Since 2023, two-pillar auction scheme for COD starting 2028 with centrally pre-investigated sites tendered via a set of 5 (price and non-price) award criteria and non-centrally pre-investigated sites via the known one-sided CfD. Both routes comprise a financial bid whereby for non-centrally pre-investigated sites the financial bid whereby for non-centrally pre-investigated sites the financial bid determined in a dynamic bidding process and only applicable in case of 0 cent-bids in the CfD bidding-round In 2021 and 2022 central auction system with one-sided CfD and COD in 2026 or 2027 with zero bids, lottery and subsequent step-in right execution from existing projects in some cases Since 2017 transition to central auction system in form of 20-year one-sided CfD (for projects with COD after 2026) Feed-in tariff (FIT) with direct marketing obligation until 2016 	 Initial Feed-in tariff (FIT): €139 - 154/MWh for 12 years (standard) or €184-194/MWh for 8 years (compression model) depending on year of commissioning Base Feed-in tariff (FIT): €39/MWh for residual term One-sided CfD price in not centrally pre-investigated sites (and former interim and central auctions) determined in competitive pay- as-bid auctions (zero bids possible); CFD-price awarded for 20 years with price ceiling of 6.2 cents per kWh in 2024 In July 2023 €12,6 bn entry fees were paid for 7 GW determined in competitive bidding No support scheme for centrally pre-investigated sites with focus on PPA market but auctions based on selected price and non-price criteria (of which 60% accounts for financial bid) Route-to-market via PPAs for new German offshore assets (0 bid projects)
Onshore	 Pay-as-bid one-sided Contract for Difference (CfD) awarded through auctions since 2017 Feed-in tariff (FIT) with direct marketing obligation until COD 2016 (relevant for existing assets) 	 One-sided CfD price determined in competitive auctions with Feb 2024 average €7.34c/kWh, subject to "reference yield" corrections Term: 20 years Pre-tender phase assets receive Feed-in tariff
Solar	 Pay-as-bid one-sided Contract for Difference (CfD) awarded through auctions since 2017 (after pilot auctions) Feed-in tariff (FIT) with direct marketing obligation until COD 2016 (relevant for existing assets) 	 One-sided CfD price determined in competitive auctions with March 2024 average €5.11c/kWh Term: 20 years Pre-tender phase and small-scale assets receive Feed-in tariff
Regulatory regimes for renewables in the Netherlands

	Support regime	Remuneration ¹
Offshore	 No support scheme, but auctions based on beauty contests based on scoring criteria e.g. experience, risk mitigation, innovation Financial bid amount included as part of scoring criteria 	Route to market via PPAsGrid connection provided by TSO
Onshore	 A safety net support scheme for Solar and Onshore Wind is under development, given that SDE++ is being phased out by 2025 SDE++ (available since 2020): One-sided CfD support based on auction for lowest carbon abatement cost As such carbon abatement technologies other than renewables can apply for subsidy SDE+ (available from 2011-2019) a technology based one-sided CfD 	 Term: 12 or 15 years Pay-as-bid one sided CfD
Solar	 No specific support scheme for solar as primary support scheme is generic for all carbon abatement technologies on land (see Onshore) 	

Regulatory regimes for renewables in Italy



	Support regime	Remuneration ¹
Onshore	 Auction system applicable since 2013 Assets with COD until 2013: Feed-in premium (FIP) to market price 	 Avg CfD price (Feb 2024 auction): €74.76/MWh Auction design Pay-as-bid one-sided CfD through auctions since 2013 and two-sided CfD since 2019 Term: 20 years Wholesale market + premium Premium for year t: (180- market price t-1)*78% Term: 12 years for pre-2008 COD, 15 years for post-2008 COD
Solar	Auction system applicable since 2013	 Avg CfD price (Feb 2024 auction): €75.37/MWh Auction design Pay-as-bid one-sided CfD through auctions since 2013 and two-sided CfD since 2019
AgriPV	 Assets with COD until June 2026 Auction system applicable since 2024 	 Ceiling CfD price (Feb 2024 auction): €85/MWh + 4/MWh and + 10/MWh for respectively for projects located in the central and the northern regions of Italy. Auction design Pay-as-bid two-sided CfD + Capital grants on 40% of the capex Term: 20 years

Regulatory regimes for renewables in Spain



	Support regime	Remuneration ¹
Offshore	 No support scheme yet in place, but the following is expected from public consultation in March 2024: "3 in 1" auction model, where the winners will be awarded a CfD contract, seabed lease and grid connection permits 	 Expected remuneration scheme (final approval planned during 2024): Pay-as-bid, two-sided CfD Term: 15 - 20 years
Onshore	 Changes introduced (Dec 2023) to allow for Non Price Criteria, up to a maximum of 30%, but specific criteria have still to be defined. CfD auction system applicable since 2020 Market income plus investment retribution in €/MW is the compensation scheme since mid 2013 	 Market income plus investment retribution (€/MW) Each technology has a regulatory life to recover their regulated CAPEX. For wind it is max. 20 years. The standard facility can recover the regulated CAPEX in a shorter period. Once CAPEX is recovered no more subsidy is paid Auction design: Pay-as-bid, two-sided CfD auctions. Term: 12 years Avg CfD price (November 2022 auction): €45.8/MWh (heavily undersubscribed only 45.5 MW awarded) Avg CfD price (Oct 2021 auction): €30.2/MWh
Solar	 Changes introduced (Dec 2023) to allow for Non Price Criteria, up to a maximum of 30%, but specific criteria have still to be defined CfD auction system applicable since 2020 Market income plus investment retribution in €/MW is the compensation scheme since mid 2013 	 Market income plus investment retribution (€/MW) Each technology has a regulatory life to recover their regulated CAPEX. For PV it is max. 30 years. The standard facility can recover the regulated capex in a shorter period. Once CAPEX is recovered no more subsidy is paid Auction design Pay-as-bid, two-sided CfD auctions. Term: 12 years No Solar awarded in November 2022 auction Avg. CfD price (Jan 2021 auction): €31.6/MWh

Regulatory regimes for renewables in Denmark & Sweden

Denmark

Sweden

	Support regime	Remuneration	Support regime	Remuneration
Offshore	Lease payments derived through envelope bid process	Wholesale market PPA	• None	 Wholesale market PPA
Onshore	 Merchant - Will possible be reviewed in the future Only route to market is wholesale and/or with a PPA 	 Wholesale market PPA 	• None	 Wholesale market PPA

Regulatory regimes for renewables in France & Poland

France

Poland

	Support regime	Remuneration	Support regime	Remuneration
Offshore	 Pay-as-bid two-sided indexed CfD awarded through a central, one step, auction system since 2015 for 20 years 	 Pay-as bid CfD Term: 20 years Prices not public Last auction awarded for €44,9/MWh (1 GW site off Channel coast) 	 Competitive pay-as-bid auctions to award CfDs for 12GW in total planned in 2025, 2027, 2029 and 2031 Administratively awarded CfD for mature projects, requiring individual EU state aid notification decision and final CfD level confirmation by Polish regulator 	 Two-sided, CPI indexed, EUR-denominated CfD strike price over 100k hours of full load generation Term: not longer than 25 years Administratively granted initial strike price at €71/MWh, pending possible downward adjustment for each individual project at EU and/or national level Max. bid prices remain to be set
Onshore	 Pay-as-bid two-sided CfD at a price set by the regulator inflated yearly and granted through open window procedure for old contract on small scale projects (6 turbines max, 3MW/turbine max, tower height <137m) Pay-as-bid two-sided CfD awarded through tendering process since 2017 3 specific onshore tenders and 1 technology-neutral tender per year 	 Pay-as bid CfD Term: 20 years Avg price (2024): €87,23/MWh 	 Competitive auction based pay-as-bid Quota system with Green certificates until 2016 that will expire in 2031 for entitled assets Contract for Difference (CfD) since 2018 Two auction baskets: for projects up to 1 MW installed capacity and beyond 1 MW 	 Term: 15 years CfD price, annually CPI adjusted Dec '23 result: <= 1 MW installed capacity: avg €76/MWh; >1MW installed capacity: avg €74/MWh 1 green certificate/MWh current 2024 market price: €10/MWh
Solar	 Pay-as-bid two-sided CfD awarded through tendering process 3 invitations to tender are issued per year: Technologically neutral Ground Shadehouse (in which we participate for some AgriPV projects awaiting a dedicated call for tenders) 	 Pay-as-bid CfD Term: 20 years Avg price on last session (2024): €81,90/MWh 	See onshore above	See onshore above

Regulatory regimes for renewables in Norway & Greece

Norway

Greece

	Support regime	Remuneration	Support regime	Remuneration
Offshore	 Utsira: 1st step lease auction for acreage. (3 winners) 2nd step for support. (2 winners) 2025 auction (Sørvest F): Expected pay-as-bid partly-indexed two-sided contract for difference (2-sided CfD) Unknown subsidy budget. CfD-strike price expected to be derived through an English auction process. 	 Utsira: Expected pay-as-bid partly-indexed two-sided contract for difference (2-sided CfD) Yet unknown subsidy budget. 2025 auction (Sørvest F): Pay-as bid CfD Reference period: Monthly spot based Term: 15 years PPA and green certificates Strikeprice for Sørlige Nordsjø 2 (2024-auction) approx. €9.8 cents with a total subsidy budget of €1.95 bn 	No support regime and Offshore market yet	-
Onshore	 Merchant Only route to market is wholesale and/ or with a PPA 	 Wholesale market PPA 	 CfD auctions for Grid allocation and tariff, following government planning and DG Comp approval PPA and merchant 	 Expectation: Competitive auction based pay- as-bid CfD. To be announced soon. Projects will fall in separate "baskets" based on technology and capacity. Storage combination is a must. PPA and merchant
Solar	Not active in this technology in Norway	-	See onshore above	See onshore above

Regulatory regimes for renewables in Belgium

Support regime	Remuneration
 Capacity based two-sided Contracts for Difference (Cfl competitive auction Indexation Strike Price: Pre-FID indexation of 70%: Between bid submiss 1 year based on material indexes (coper, steel, fu consumption and production index) and swap rat Post-FID indexation of 30% of the Strike Price, m O&M, based on consumption price index Bid submission: PEZ I September 2025, PEZ II & III in September 2025, PEZ II & III & III in September 2025, PEZ II & III & III in September 2025	 D), awarded in Subsidy cap of maximum strike price €95/MWh (will be indexed) and envelope of 80,000 Full Load Hours over 20 years Active Available Power to determine price premium Correction Factor for Imbalances Duration CfD 20 years, 24 months decommissioning, 40 years concession Optional long-term fixed price PPA Max 50% of E-output Extra option: up to 25% via direct citizen participation Fixed Price cap: max €3 above the submitted SP (excluded GoO's) Guarantees of Origin: issued both under 2-CfD and PPA

Of

Regulatory regimes for renewables in Ireland & Australia

Ireland

Australia

	Support regime	Remuneration	Support regime	Remuneration
Offshore	 ORESS - Pay As Bid two-sided CfD - first auction - ORESS 1 held in 2023 Scheme requires mandatory €2/MWh community benefit funding Second ORESS auction is due to be launched end 2024 (pending legislative approval of the seabed leasing zone area). ORESS2.1 will be first centrally planned auction to be held 	 ORESS - average weighted bid price: ORESS 1 (2023) - €86.05/MWh Term: 20 years Full indexation (capex and opex) up to FID, thereafter partial indexation for opex. Compensation available for oversupply/system-wide curtailment. 	 State of Victoria is planning a support mechanism for offshore projects with tenders expected to start late 2025 	
Onshore	 REFIT (Feed-in Tarif) scheme, closed to new entrants in 2015. Tariffs set on a technology basis, with rates indexed with CPI RESS - Pay-As-Bid two-sided Contract for Difference (CfD) introduced in 2020 for all onshore renewable technologies. Scheme requires mandatory €2/MWh community benefit funding. In RESS3 - compensation introduced to protect against over supply/system wide curtailment Next RESS auction due in Q3 2024 	 REFIT - Current 2024 (indexed) price for onshore wind ≥5MW = €83.292/MWh Term: 15 years CfD averaged weighted bid price - all project category: RESS1 (2020) - €74.08/MWh RESS2 (2022) - €97.87/MWh RESS3 (2023) - €100.47/MWh Term: 15 - 16.5 years 	 Green Certificate System for large scale renewables introduced on federal level in 1999 to facilitate 33 TWh target by 2020, phaseout until 2030 Additional support schemes on state level, so far auctions in Australian Capital Territory, Queensland, Victoria and New South Wales 2024 new Federal support contract scheme (cap and floor) for 32 GW new capacity by 2030 	 Wholesale market + green certificate/MWh 2024 certificate price:
Solar	See onshore above	See onshore above	See onshore above	See onshore above

Regulatory regimes for renewables Japan & South Korea

Japan

South Korea

	Support regime	Remuneration	Support regime	Remuneration
Offshore	 Feed-in Premium (FiP) for Offshore projects through auctions (50% qualitative and 50% price based assessment criteria) Cap price and Zero-FIP standard price (bottom price) for the bid is set prior to the bid. At the second round auction which closed in June 2023, price range of bids was set from JPY 3 to 19/kwh 	 20 year pay as bid FiP strike price Any bidders offered 3 yen as a bid price, can get the maximum points of price based assessment, so it pushes bidders to pursue CPPAs to secure certain revenues without FIP premium Offshore wind projects can also create non-fossil certificates for each kWh generated, which can be sold as part of CPPA 	 Mandated renewable quotas for state-owned generation companies and IPPs with over 500 MW installed capacity through Renewable Portfolio Standards (RPS), to steadily increase the renewable energy mix The RPS Obligors purchase Renewable Energy Certificates (RECs) to meet the RPS requirements 	 Differentiated REC multiplier is granted per technology while offshore wind receives the highest REC multiplier based on water depth and distance to the shore. (e.g. 2.5 - 4.72) The multiplier will be amended the second half of 2024, and no big change is expected in offshore wind. (amendment based on every 3 years) Under the business-as-usual scenario, renewable electricity is sold to the state-owned utility, KEPCO, while RECs are sold to the RPS Obligors (e.g. state-owned GENCOs and IPPS over 500 MW) via long-term REC offtake contracts On-going discussion on the power market liberalisation continues and corporate PPA is getting a growing momentum

Regulatory regimes for renewables - negative pricing rules (1/2)

Country	Negative pricing rules (= no FiTs/CFDs if more than defined consecutive hours of negative prices)
Germany	 With EEG 2023 4-hour rule to be phased out until 2027 for new assets, i.e. from 2027 onwards no support payments for any hour with negative price, however foregone support payments are recorded for simple prolongation of 20 years support period Exemption for small scale installation (<400 kW) and pilot installations For installations commissioned before 2023 (2021) or with auction award before 2023 (2021) the previous 4-hour (6-hour) rule is grandfathered
France 🅕	 Onshore: Compensation in the event of 20 or more negative hours (consecutive or not) during a calendar year if installation has not produced during these hours PV: Compensation in the event of 15 or more negative hours (consecutive or not) during a calendar year if installation has not produced during these hours
Netherlands 🔵	6-hour negative pricing rule
Spain 🥑	 The incentive of the CfD contract is not paid in case the energy market price gets below a defined minimum threshold ("waiver price") Currently the waiver price is set to €0/MWh (government can also change this value)
Greece 🕒	• Currently, no negative prices allowed. Bottom is 0. If price is 0 for more than 2 (consecutive) hours, projects with CFD will not get the subsidy part of the CFD

Regulatory regimes for renewables - negative pricing rules (2/2)

Country	Negative pricing rules	
Italy 🌔	 The incentive settlement of the solar and wind CfD is suspended only in case the energy zonal market price is 0 or negative for more than 6 consecutive hours and for AgriPV in case the energy zonal market price is 0 or negative . The CfD contract duration is prolonged at end of the contract (20 years) by the amount of the energy that didn't get the incentive. 	
Denmark 🛟	• Negative prices = 1 hour rule, i.e. no subsidy payments in non-positive price hours	
Ireland 🌔	6-hour negative pricing rule	
υк 🛟	 6-hour rule was implemented for CfD Allocation Round 2 in 2017 and Allocation Round 3 in 2019 For contracts signed from Allocation Round 4 onward rules will be stricter, with new CfDs having top-up payments stopped at any time when reference prices turn negative The reference price is the hourly day-ahead market price 	
Poland	 Settlement of the solar and wind CfDs is suspended only in case the energy market price is O or negative for more than 6 consecutive hours 	

Controllable capacity in Europe significantly decreasing

LOLE values for the central reference scenario without CM 2028¹

(Loss of load expectation, LOLE²)



Null avg. LOLE Avg. LOLE < 0.1h Avg. LOLE > 0.1h

Installed controllable capacity in Central Western Europe³



¹ European Resource Adequacy Assessment 2023 of entso-e. |² Expected number of hours where load cannot be supplied by local resources and imports. |³ Controllable capacity only, i.e. without PV and wind energy. For more historic data per country, please see local databases: BDEW for Germany, Digest of UK Energy Statistics (DUKE) for UK and Central Office for Statistics Netherlands (CBS). |⁴ RWE analysis.

Ancillary services¹

Continuous balancing of power supply and demand

The balancing market:

- A market operated by Transmission System Operators (TSOs) to maintain the power/frequency balance
- It is needed to ensure a continuous and stable frequency in the short term (e.g. when unexpected incidents occur power plant outages)

Ancillary services:

 Necessary tools/products which TSOs contract from generators in order to maintain system stability and security

Maintains energy balance

- **Energy products**
- **Frequency Control & Reserves** to maintain system frequency at 50Hz ± x% and to provide additional energy when needed
 - **UCTE/Germany:** primary, secondary, tertiary and time control levels (FCR, aFRR/mFRR, RR)
 - UK: frequency response (FFR, MFR, EFR) and reserve (Fast Reserve, STOR, BM start up)



Maintains grid quality

System products

Reactive power (voltage support) provides the important function of voltage regulation

Constraint Management

- **Countertrading** grid operators deal on exchange or OTC (Continental)
- (Regulated) Redispatch ramp-down or ramp-up power stations to relieve power flows from congested grid lines

Dedicated to restarting the grid

Security products/emergency

- Blackstart ability to restart a grid following a blackout
- Intertrips automatically disconnect a generator
- SO-SO trading (system operator to system operator trades) – determines the direction of electricity flow

¹ Range of functions/products which Transmission System Operators (TSOs) contract from generators in order to maintain system stability and security.

Overview of continental reserve category timescales

	Primary reserve	Secondary reserve	Tertiary reserve
Reaction time	• 30 seconds (100%)	• 5 minutes (100%)	• 7 - 15 minutes (100%)
System	• UCTE ¹	Control area	Control area
Activation	 Automatic and decentralised activation via governor control 	 Centralised (TSO); active call through IT 	 Centralised (TSO); active call through phone/IT
Reserved capacity	 3,000 MW in UCTE 1,400 MW joint auction (DE, FR, NL, BE, CH, AU) 	 Decided by TSO (+/-2,000 MW in Germany) 	 Decided by TSO (+1,200 MW, - 700 MW in Germany)
Auction	• Daily	• Daily	• Daily
Remuneration	• Pay-as-cleared	Pay-as-bid (Capacity)Pay-as-cleared (Energy)	Pay-as-bid (Capacity)Pay-as-cleared (Energy)
Typical suppliers	 Synchronised generators: large-scale battery storage systems 	 Storage and pumped storage hydro plants; gas turbine power plants; CHP; large-scale battery storage systems 	 Storage and pumped storage hydro plants; gas turbine power plants; CHP; other thermal power plants

• A **sudden drop** in frequency triggers automated response to **correct the frequency**, followed by **manual interventions** by power system operators.



¹ The Union for the Coordination of the Transmission of Electricity.

Tax Equity in the US - financing structure Inflation Reduction Act provides optionality for "Hybrid Structures"



- The developer repays the investor with a mix of tax items (production tax or investment tax credits and tax benefits from accelerated depreciation) and cash. In addition, the Tax Equity Investor maintains a small residual interest in the project after repayment.
- Hybrid Structures will allow non-traditional tax equity investors, such as large corporates, to broaden the tax equity market and provide more tax capacity in response to growing demands for tax capacity from Renewables.

Inflation Reduction Act (1/2)

Recap

President Biden signed the Inflation Reduction Act into law on August 16, 2022

Bill includes more than \$350B of climate and key energy provisions including:

- Extension of the current PTC/ITC through 2024 at 100% value (\$28/mWh for 2023)
- Creation of a technology neutral PTC/ITC at full value starting January 1, 2025 through the later of 2032 or a 25% emissions reduction from the 2022 baseline
- Includes bonuses to the PTC/ITC for domestic content and energy communities
- Establishes an ITC for stand-alone storage applications
- Provides tax credits for hydrogen production over 10 years that can be coupled with the PTC/ITC for renewable energy production

Labor Requirements for Bonus Credit Values

Prevailing wage requirements for construction or operations

- Applies to any laborers or mechanics employed by the taxpayer or contractor in construction and employed for construction, alteration or repair of a similar character in the locality
- Penalties in statute for non-compliance

Apprenticeships: must maintain a qualified apprenticeship program for construction workers on a project, with hoursworked requirements:

- 12.5% of total hours for projects beginning construction in 2023
- 15% of total hours for projects beginning construction after 2023
- Penalties in statue for non-compliance, allows for good faith exemptions

Inflation Reduction Act (2/2)

Bonus Credit Value

Domestic Content Bonus: 10% bonus value PTC and ITC if domestic content requirements met

- 100% of steel and iron structural products used to be produced in U.S.
- 20% (amount increases after 2025) domestic content
 cost requirement for OSW projects
- 40% (amount increases after 2025) domestic content cost requirements for onshore projects

Energy Communities Bonus Credit Value

- 10% bonus adder to PTC/ITC for energy communities
- Energy Community criteria made up of the following requirements:
 - Brownfield sites;
 - MSA or non-MSA which had, after 12/31/2009, 0.17% or more direct employment or 25% or greater local tax revenues related to extraction, processing, transportation or storage of coal, oil or natural gas; and Unemployment rate at or above the national average for the previous year; OR
 - In a census tract (or adjacent tract) with closure of a coal mine or coal generation station

Other Provisions

- Stand-alone Storage ITC: 6% base, 24% bonus for labor requirements as well as domestic content and energy communities bonus credit value, 2023+
- Hydrogen PTC: \$0.60/kg for zero-carbon resource, \$3.00/kg for zero-carbon resource meeting labor requirements, also my qualify for ITC, 2023+
- **EV Credit:** \$7,500 for commercial vehicles with weight rating less than 14,000lbs or \$40,000 for other qualifying commercial vehicles
- **EV Charging ITC:** maximum credit of 30% for expenses up to \$100,000, including bi-directional charging stations, but only 6% for items subject to depreciation
- Advanced Manufacturing: provides PTCs for solar components, inverters, wind turbine components, offshore wind foundations (fixed and floating), battery energy storage components, and a 10% ITC for offshore wind vessels and critical mineral production
- Direct Pay: only for tax exempt entities, except for Hydrogen PTC, Carbon Capture and Sequestration Credit, or Advanced Manufacturing Credit

Transferability

- Inflation Reduction Act makes ITC, PTC, tech-neutral ITC, tech-neutral PTC, clean hydrogen PTC, and advanced manufacturing PTC eligible for transfer beginning for tax years after 2022 to an unrelated taxpayer or taxpayers
- Does not allow for the transfer of tax losses generated by accelerated depreciation
- Compensation received by the taxpayer transferring the credit would be tax exempt to transferor
- In the case of partnerships and S corps, the election would be made at the entity level, but the tax-exempt income from the sale would pass through to the owners
- Allows for extended carryback periods of 3 years

Power Purchase Agreement (PPA) – tailored contract for long-term certainty

Characteristics & benefits



- A Power Purchase Agreement (PPA) is a (long-term) power supply contract between a power company and a customer/an offtaker for (green) electricity
- PPAs are normally concluded on a bilateral and tailor-made basis
- PPAs provide financial certainty to a project developer
- Customers can avoid long-term commodity price risk
- Customers can **achieve** their **carbon reduction** goal cost-effectively

Power Purchase Agreement (PPA)

PPA Type



Main characteristics

- RWE delivers power **directly** to the customer and receives the PPA price
- The customer receives guarantees of origin (where available)

Financial / Virtual PPA



- RWE sells power to the grid and is reimbursed via its existing market access (spot price)
- The customer buys power from the grid and pays the spot price
- RWE and the customer settle the difference between the spot price and PPA strike price
- The customer receives guarantees of origin (where available)

Global corporate PPAs increased significantly over the last decade



Source: BNEF 2024. | USA incl. Canada; Rest of Europe: Austria, Belgium, Bulgaria, Croatia, Denmark, Finland, France, Greece, Ireland, Italy, Latvia, Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Turkey; Rest of World: Argentina, Australia, Brazil, Chile, China, Colombia, Guatemala, India, Indonesia, Israel, Japan, Mexico, New Zealand, Panama, Saudi Arabia, South Africa, South Korea. | Note: PPAs estimated signing years from 2000-2023.

RWE August 2024 Factbook 2024

Top global offtakers are US tech companies

Top global offtakers by capacity in GW



- USA tech companies have publicly committed to sustainability, driving their adoption of PPAs
- Extensive data traffic and server infrastructure create high energy demands, making them attractive partners for renewable energy providers
- PPAs offer long-term and stable energy prices

Source: BNEF 2024. | Note: PPAs estimated signing years from 2000-2023.

RWE's successful PPA footprint across the globe (1/2)





RWE's successful PPA footprint across the globe (2/2)



¹ Badische Stahlwerke, Bosch, Freudenberg Group, Infraserv Höchst, Messer, Schott, Telefónica, Verallia, Vodafone, Wacker, ZF. 1² Mainova.

Selected

Successful signing of PPAs from our Kaskasi wind farm shows high industrial demand for green electricity¹

Power Purchase Agreements for ~1,000 GWh per year



- 10-year PPA with Schwarz Group
- 10-year PPA with thyssenkrupp Steel
- 10-year PPA with **DHL Group**
- 10-year PPA with **Vodafone**
- 10-year PPA with **Evonik**
- Long term PPA with **Ensinger**
- Long term PPA with Infraserv Höchst

First contract will start in **2026**, with further contracts to follow in **2027** and **2028**

¹ Press Release

Europe and the US continue their green transition path

European Green Deal

- 55% GHG reduction target by 2030 vs. 1990 levels
- 60 GW offshore wind capacity installed in 2030 with offshore wind to become the largest single source of electricity in Europe by 2040
- Also **promoting emerging ocean energy technologies**, e.g. floating solar and wind, and tidal energy
- 600 GW solar PV capacity installed in 2030, 320 GW by 2025
- **40 GW electrolyser** capacity by 2030 producing up to 10 million tonnes of renewable **hydrogen**
- €750bn recovery package 37% earmarked for climate spending
- 2050 target to reach CO₂ neutrality



- 50% reduction in U.S. GHG emissions from 2005 levels by 2030
- Carbon-free power system by 2035
- **30 GW** offshore wind capacity target by 2030
- **Rejoining** the Paris agreement; administrative fast tracking and planned new seabed lease auction rounds

Source: Europa.eu; eur-lex.europa.eu; congress.gov; whitehouse.org.



	Market design	CO ₂ reduction	Renewables	Conventional generation
EU	 Reform of Electricity Market Design: In mid-December 2023, the Parliament and the Council agreed on a revision. They stipulate that there will be no extension of revenue caps. In addition, two-sided "Contracts for Difference" (CfDs) should become inter alia the standard for new renewable energy and for repowering. Capacity Remuneration Mechanisms (CRM) shall no longer be only a "last resort" measure and the approval process shall be simplified. EU Commission proposed Hydrogen & Gas Market Decarbonisation Package in December 2021. EP and Council adopted positions in February and March 2023 respectively 	 EU Emissions Trading Scheme: Emissions in the sectors covered by the EU ETS must be reduced by 62% by 2030; package formally adopted by end of April 2023 European Climate Law: climate neutrality in 2050, -55% until 2030 On 6 February 2024, the European Commission published a non-legislative communication in which it recommends reducing greenhouse gas emissions by 90% by 2040 compared to 1990 levels. A legislative proposal to adapt the climate law will follow in 2025 	 EU Renewable Energy Directive (RED): EP and Council agreed reform in March 2023: overall binding RES target of 42.5% by 2030 Subtarget for transport and industry (for the latter: share of green hydrogen in total hydrogen used should be 42% by 2030 and 50% in 2035.), faster RES permitting procedures and enhanced sustainability criteria for biomass 	 EU Action Plan "Zero Pollution for Air, Water and Soil" Industrial Emissions Directive: Proposal for revision presented on 5 April 2022. Council adopted position in Spring 2023, EP in July 2023. Trilogue discussions concluded in November 2023 Ambient Air Quality Directive: Proposal for revision presented in November 2022, EP adopt position in July 2023, formal adoption of Council still pending Next BREF-LCP (rolling process) will not start before 2025



Market design	CO ₂ reduction	Renewables	Conventional generation
 Energy-only with strategic reserve components; with the political agreement for a power plant strategy a new market design (capacity mechanism) was announced as well Acceleration of grid expansion & new provisions for redispatch CHP support until 2026, however, prolongation unclear 	 Climate Protection law Climate neutrality by 2045 Minus 65% by 2030 based on binding sectoral targets, minus 88% in 2040 Cross-sector CO₂ reduction 	 Existing wind areas declared as wind acceleration areas under RED III Parliamentary process for implementation of RED III for offshore wind and H2 as well as transmission grids underway Process for implementation of RED III for wind onshore and solar started 	 Coal phaseout by 2030 for Rhenish lignite area fixed by law in Dec. 2022, by 2038 for Eastern Germany (fixed by law in 2021, assessment for earlier phase out in Aug. 2026) Nuclear exit completed & final storage regulation Power plant strategy with tenders for new H2 ready gas fired power plants with starting the first auction this year is announced



Market design	CO ₂ reduction	Renewables	Conventional generation
 New Energy Law debated in Parliament and probably approved before Summer break 2024 Execution of National Climate Agreement 	 Former coalition Agreement: 55% CO₂ reduction by 2030, aim for 60%, electricity sector fully decarbonised until 2035 Climate fund of €34 bn Coalition is formed between four parties (PVV, VVD, BBB, NSC) but ambitions still not clear 	 SDE++ regulation (Stimulation Renewable Energy) since 2011 main instrument Road map offshore wind with annual tenders until 2030 	 Coal phaseout: end of 2024 for plants built in the 1990s and end of 2029 for plants built in 2000 and thereafter Government announced €1 bn for converting gas stations to H2 ready before 2030



	Market design	CO ₂ reduction	Renewables	Conventional generation
UK	 Review of Electricity Market Arrangements (REMA) continuing through 2024 with second consultation closing for submissions on 7 May and implementation from 2025 Considering fitness for purpose of current market arrangements - Capacity Market, Contract for Difference, locational and operational efficiency of wholesale markets & balancing mechanism Acceleration of grid expansion and connection reform 	 Climate Change Act (Net zero target by 2050) 6th Carbon Budget - 78% CO₂ reduction by 2035 UK ETS with Auction Reserve Price CBAM to be implemented from 2027 subject to further consultation in 2024 Ambition to decarbonise power sector by 2035, subject to security of supply 	 British Energy Security Strategy: 50 GW Offshore Wind & 5 GW Floating Wind by 2030; 70 GW solar by 2035 CfD main support instrument since 2014- annual auctions announced from 2023; future design under review Sustainable Industry Rewards (non-price factors) to grow more local and decarbonised supply chain from Allocation Round 7 in 2025 CfD also for onshore wind but currently blocked through planning system in England 	 Coal Phase out by Oct 2024 Legislative framework for CCUS and hydrogen business models now in place following passage of the Energy Act 2023 Target to deploy four CO₂ T&S clusters capturing 20- 30 Mt CO₂ annually by 2030, and 50Mt CO₂ by 2035 Call for evidence expected on non-pipeline transportation of CO₂ to facilitate CCUS without locational access to T&S infrastructure

Emissions Trading System in the EU and UK as key tool for reducing greenhouse gas emissions

EU ETS

- Established by the EU Emission Trading Directive; entered into force on 1 January **2005**. Covers ~40% of EU greenhouse gas emissions.
- Based on 'cap and trade' system, whereby a cap is set on the total amount of greenhouse gases that can be emitted by installations covered by the system.
- The Fit-for-55-Package by EU commission to reach targets of EU Green Deal (climate neutrality 2050, 55% reduction by 2030 vs 1990) have entered into force. The revised changes for the EU ETS have started to apply from 2024.
- **Emissions** under the system are **capped** and expected to be reduced by 62% by 2030 vs 2005 under the new cap. This is an increase vs. the earlier target of 43% and will be consistent with the new 55% EU GHG reduction target.
- The cap is reduced over time in line with the Linear Reduction Factor (LRF). Within the cap, companies receive or buy emission allowances which they can trade with one another as needed. The LRF will be increased to 4.3% for 2024 to 2027 and thereafter to 4.4% (from previously 2.2%). The increased LRF should be combined with two downward adjustments of the cap (rebasing) so that the new LRF has the same effect as if it had been applied from 2021.
- The **Market Stability Reserve** (MSR) as a rule-based mechanism that allows the supply of allowances to respond to market oversupply stays in place and the MSR intake rate will be kept at 24% until 2030.

UK ETS

- The UK Emissions Trading Scheme went live on 1 January 2021, **replacing** the **UK's participation in the EU ETS**. On 19th May, UK ETS auctions commenced. The first Compliance date was in Q1 2022 for 2021 emissions.
- The scheme largely **mirrors the operation of the EU ETS**, by introducing the supply of allowances via auctions which can subsequently be traded in a secondary market.
- UK government finished its review of the UK ETS to align the cap to its net Zero trajectory. The cap was set at 936 Mt for 2021-2030, a cap reduction of 30%.
- The **total number of allowances** available for auction in 2024 is ~69 million. This is more than half of the new UK ETS 2024 **cap** of ~92 million allowances.
- The Auction Reserve Price (the minimum price for bids in auctions) is set at £22. Auctions take place twice a month and are carried out by UK government at ICE.
- The Total Carbon Price that power sector emitters face is comprised of the Carbon Price Support (at £18) plus the price of UK ETS permits.
- Further, the UK has opened a public consultation on proposals for the design and administration of a Carbon Border Adjustment Mechanism (CBAM). The UK CBAM will be introduced in 2027 and the consultation suggests it will apply to iron, steel, aluminum, fertilizer, hydrogen, ceramics, glass and cement sectors.

Source: <u>https://climate.ec.europa.eu/eu-action/eu-emissions-trading-system-eu-ets_en</u>.

Current regulatory developments in the core H2 markets







- RED III
 - Formally adopted on 9 October, Published in the Official Journal of the European Union on 31 October, and entered into force 20 days after that date. Member States have 18 months after entry into force to transpose it into national legislation
 - It establishes sector-specific targets in transport, industry, buildings, and district heating and cooling.
 - It raises the share of renewable energy in the European Union's overall energy consumption to 42.5% by 2030, with an additional 2.5% indicative top-up to allow the target of 45% to be achieved
- Hydrogen & Gas Markets Decarbonisation Package: Consists of revisions of Gas Regulation and Gas Directive from 2009; central piece of the regulatory framework for hydrogen in the EU. Adoption in plenary of EU Parliament and Council. Publication in Official Journal of the EU still pending. The Regulation will be directly applicable in all Member States, the Directive requires implementation into national law within 2 years.

- Amendments to the Energy Industry Act (EnWG):
 - Grid fee exemption: Extension of §118 (6) EnWG: Electrolysers which are commissioned by 3 August 2029 will be exempted from electricity grid fees for 20 years.
 - H2 core grid: Introduction of provisions for the build-up of a H2 core grid. Within a second EnWG amendment (April 2024), the financing concept for the core grid was also introduced.
 - 13k EnWG is aimed at reducing the curtailment of renewable energies due to grid bottlenecks. The TSO shall organize auctions. A participation on that market shall only possible if defined criteria regarding location and additional demand are fulfilled. The criteria for additional demand have been set by the German regulatory authority (BNetzA) and the framework of the auction platform has been deployed by the TSOs. The platform is scheduled to go into operation in October 2024.
- H2 Acceleration Act: Government published draft with amendments to several legislations regarding an acceleration of permitting procedures for H2 infrastructure. Legislative process has started. Final Act expected Autumn 2024.



- 'Voorjaarsnota' & draft multi-year program Climate Fund 2025 (April 2024): the NL government aims for 4 GW electrolysis capacity in 2030. In order to realize that, the government has reserved for 2025 a subsidy budget of 2.9 billion euro for onshore electrolysis, 1.4 billion for offshore electrolysis and an additional 1.00 million euro for the offshore H2 network development. These budgets need to be approved by the Parliament later this year.
- OWE-subsidy scheme for onshore electrolysis: first tender round (250 million euro) subsidy award in April 2024.
 Second tender round (~1 billion euro) opens after summer 2024.
- Offshore H2 demonstration projects: in 2023 the government announced the Demo 1 (380 million subsidy) and Demo 2 (1.4 billion euro subsidy) projects. From 15 December 2023 to 26 January 2024 an online Interest Poll on offshore H2 production was held; 56 reactions were submitted. More information is expected before summer.
- Stimulation of hydrogen demand: the government is preparing policy decisions with regard to RFNBO industry obligations, the 'refinery route' and H2 demand subsidies.



- UK hydrogen strategy: Target capacity doubled to 10GW by 2030 – of which at least 50% should come from electrolysis.
- **By 2025**: 2GW low-carbon hydrogen (green & blue), Certification Scheme & "business models" for transport & storage infrastructure.
- Decisions on gas blending (into distribution network) expected by government in 2024, following further work on safety & cost-benefit analysis.
- Department for Energy Security & Net Zero (DESNZ) announced outcome of 1st electrolytic H2 allocation round (HAR1) end 2023: 11 projects; 125 MW. HAR2 application window closed 19 April 2024.

Use of natural gas infrastructure for hydrogen



transport capacity of hydrogen vs. natural gas pipeline¹



hydrogen vs. natural gas in a salt cavern

infrastructure remains necessary to transport natural gas

Source: RWE AG. |¹ Capacity loss limited by hydrogen's higher flow speed.

German 2030 renewables ambitions



Germany has nearly doubled its 2030 renewables ambitions over the past two years

Installed capacity targets for 2030 (GW)



Source: European Commission, Federal Ministry for Economic Affairs and Climate Action and IHS.

New addition targets

Targeted onshore wind and solar additions (GW) scenario for 600 TWh renewables electricity in 2030



Offshore wind

Based on the Wind Energy at Sea Act, the expansion targets for **offshore wind** will be significantly increased to at least **30 GW by 2030**, at least **40 GW by 2035** and at least **70 GW by 2045**. At the same time, the tender volumes will be increased and the WindSeeG revised in order to implement the accelerated expansion.

Progress in permitting through faster approval procedures

Permitting process duration for Onshore wind in Germany 2018-2024, month¹



- EU Emergency Regulation (end of 2022) and Renewable Energy Regulation RED III (end of 2023) lays down framework to accelerate the deployment of renewable energy projects²
- In June 2024, German Legislator passed the Federal Immission Control Act to accelerate permit processes and to implement EU law³
- Permitting process for new onshore and repowering projects streamlined and simplified, i.e.:
 - Status "Completeness of the application documents" and beginning of process clarified
 - Issuing of preliminary planning approvals simplified
 - "Repowering" definition enlarged
 - Change of wind turbine type in case of minor deviations eased

¹Duration of the procedure is defined as the period from the application to the official decision. Procedures completed in the period from January 2018 to May 2024 are considered for which both the date of application and the date of decision could be determined. Last data collection was on 29.5.2024 |² Press Release | ³ BMUV: Ein Beschleunigungspaket für Erneuerbare Energien und Industrie – Bundestag beschließt Gesetz zur Verbesserung des Klimaschutzes beim Immissionsschutz | Pressemitteilung

Road Map of German Coal Exit Different approaches for lignite and hard coal



- By 2022 reduction to a total remaining capacity of 15 GW lignite and 15 GW hard coal
- By 2030 reduction to a total remaining capacity of 9 GW lignite and 8 GW hard coal
- Reviews in 2023, 2026 and 2029 (climate protection, security of supply, power prices, regional development and employment)

In 2022, RWE, the German Federal and Northrhine-Westphalian Government agreed on termination of lignite power production in Rhenish lignite area already by 2030.

Implementation of the recommendations differs between lignite and hard coal:

Lignite:

Hard Coal:

- Decision on which lignite power plants will be shut down at what point based on Coal Exit Law (Kohleausstiegsgesetz)
- Compensation for shutdowns of power plants including costs for open cast mines
- EU Commission approved our compensation in 2023

Link to all decommissioning dates for lignite plants.

https://www.buzer.de/Anlage_2_KVBG.htm

- Decision on **which hard coal** power plants will be shut down at what point based on decommissioning **auctions** (basically voluntary). Results of already finished auctions:
 - 1st auction round 1 Dec, 2020: 4.8 GW
 - 2nd auction round 1 Apr, 2021: 1.5 GW
 - 3rd auction round 14 July, 2021: 2.1 GW
 - 4th auction round 15 Dec, 2021: 0.5 GW
 - 5th auction round 20 May, 2022: 1.0 GW
 - 6th auction round 14 Oct, 2022: 0.5 GW
 - 7th auction round 01 Jun, 2023: 0.3 GW (last auction round)
- No further auctions for target years 2027 onwards, but administrative prohibition of usage of coal based on age **without any compensation**

New UK Labour Government targets 100% clean power by 2030

Following the 2024 General Election, the new Government has set a stretching target of achieving "clean power by 2030" – running the power system on 100% clean power¹ – five years earlier than the previous Government's.

Implications of the target

- **Clean power by 2030**² with a significant focus on enhanced and accelerated renewables deployment, and a "strategic reserve" of gas power stations.
- Labour will also set up "GB Energy"², a new state-owned company which will partner with industry and trade unions to deliver clean power by co-investing in renewable technologies and deploy local energy production with communities across the country.



- "Quadruple offshore wind" by 2030 (60 GW incl. 5 GW Floating)
- "Triple solar" by 2030 (45 GW)
 - "Double onshore wind" by 2030 (30 GW)²



CCS

- Production capacity ambition of 10 GW of green hydrogen by 2030¹
 Could increase depending on decision on hydrogen for heat, due to be
- taken in 2026
- Commitment to invest in CCS to "ensure...long term energy storage", with a "strategic reserve of gas power stations"² to guarantee security of supply
- Expectation of continued commitment to **deliver four carbon capture usage and storage clusters by 2030**, capturing 20-30 MtCO₂ across the economy, including 6 MtCO₂ of industrial emissions, per year

The UK has been a leader in cutting emissions

- By **2023**, UK reduced its total **GHG emissions** by ~**53%** vs 1990
- Coal 1% of power generation compared to 65% in 1990;
 Government wants to phase it out completely by Oct 2024
- ~14GW offshore wind currently deployed³
- ~15GW solar currently deployed⁴

Final annual greenhouse gas emissions in the UK⁵

812 761 724 698 612 508 404 421 406 384 1990 1995 2000 2005 2010 2015 2020 2021 2022 2023 (Mt CO₂e) (Mt CO₂e)

¹ Make Britain a Clean Energy Superpower (Link) |² Change – Labour Party Manifesto 2024 (Link) |³ RenewableUK (Link) |⁴ Solar Power Portal (Link) |⁵ UK half-way to net zero – GOV.uk (Link)
GB capacity market



Establishment

- Adopted in 2013 as part of the Energy Act 2013 in the UK
- Provides generators with the ability to set the price at which they are willing to commit to keeping plant available

Price

- Auction price can be between £0 75/kW
- Auction price is determined by the marginal capacity. All units receive the price of the highest successful unit ('descending clock' format)
- Units which leave the auction before it closes will not be offered a Capacity Market Agreement

- Used to secure supply since Q4 2017
- UK government determines amount of capacity needed for each delivery year (quantity-based-mechanism)

Capacity quantities

- The largest part of the capacity is awarded in the first auction (T-4); a small part follows in another auction one year before the respective delivery year (T-1 auction)
- The 'agreement' terms are between 1 and 15 years depending on whether it is existing plants or new plants
- Delivery year begins on the 1st October through to the 30th September

Delivery Year	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/27	2027/28
T-1 Auction (£/kW)	6.95	6.00	0.77	1.00	45.00	75.00	60.00	35.79			
T-4 Auction (£/kW)		19.40	18.00	22.50	8.40	6.44 ¹	15.97	18.00	30.59	63.00	65.00

Source: RWE Analysis. | ¹ In 2020 a T-3 auction replaced the T-4 auction, which was unable to take place in 2019 given the standstill in the GB Capacity Market following the legal challenge by Tempus Energy.

GB capacity market



Our plants in GB Capacity Market

Derated capacity (MW)	2019/ 20	2020/ 21	2021/ 22	2022/ 23	2023/ 24	2024/ 25 ³	2025/ 26	2026/ 27	2027/ 28
Aberthaw ¹	1490	1475	-	-	-	-	-	-	-
Didcot B (excl. OCGT)	1,380	1,395	1,395	1,395	1,395	1,395	1,409	1,416	1,351
Little Barford	691	699	699	699	699	699	706	709	678
Great Yarmouth	365	369	369	369	369	369	373	374	376
Staythorpe	1,652	1,670	1,670	1,670	1,670	1,670	1,687	1,695	1,605
Pembroke	2,114	2,138	2,138	2,138	2,138	2,138	2,159	2,169	2,014
King's Lynn	329	333	333	333	333	333	333	333	333
Hydro sites	-	-	-	-	-	-	-	-	44
Other ²	382	348	385	335	426	352	331	331	342
Total (successful capacity)	6,913	6,951	6,989	6,938	6,956	6,892	6,999	7,027	6,742

Revenue from capacity market⁴ in £ million, pre inflation



¹ Due to the closure of Aberthaw in 2020 its CM agreements for 2019/2020 and 2020/2021 were transferred to third parties and other units within RWE's fleet. I² Includes Cowes OCGT, Didcot OCGT, Cheshire GT, Ch

RWE Technologies

Page 7

RWE's installed capacity



Note: Pro rata capacities as of 31 December 2023; rounding differences may occur. | Excluding Phaseout technologies.

15.7

Offshore wind

Batteries

Gas

in GW

Offshore wind

Page 7



Strong market position in Offshore wind



In operation Galloper 11 UK. 353 MW¹ (88 MW²) **Greater Gabbard** 12 UK. 504 MW¹ (252 MW²) Gwynt y Môr 13 3 UK. 576 MW¹ (288 MW²) Humber Arkona 14 UK. 219 MW¹ (112 MW²) London Array 15 UK, 630 MW¹ (189 MW²) Rampion 6 16 UK. 400 MW¹ (200 MW²) **Rhvl Flats Rødsand 2** 17 UK. 90 MW¹ (45 MW²) **Robin Rigg** Kårehamn 18 8 UK, 174 MW¹ SE, 48 MW¹ **Scroby Sands** Kaskasi 19 9 UK, 58 MW¹ **Triton Knoll** 10 UK, 857 MW¹ (506 MW²)

- **Thornton Bank** BE, 325 MW¹ (87 MW²)
- Alpha Ventus DE. 60 MW¹ (16 MW²)
- **Amrumbank West** DF. 302 MW¹
- DE. 385 MW¹ (193 MW²)
- Nordsee One DE, 332 MW¹ (50 MW²)
- Nordsee Ost DE. 295 MW¹
- DK. 207 MW¹ (41 MW²)
- DE. 342 MW^{1,}

¹ Total installed capacity. |² Pro rata view as of 31 December 2023.

RWE August 2024 Factbook 2024

Our build-out plan until 2030 is secured by attractive and clearly defined projects



¹ Total capacity.

Offshore wind

+



+

Detailed view of our offshore projects in development (rights secured) & under construction



¹ Total capacity. |² Pro rata view. | World map not set to size and proportion.

Our integrated business along entire offshore project value chain allows us to capture maximum value



Offshore wind

-

We are driving innovation and are well positioned to meet future sustainability requirements

First ever **full system integration** of offshore wind, H2, e-boilers and battery storage at OranjeWind

At the **forefront of floating offshore wind through our pilot projects** (e.g., DemoSATH and TetraSpar); first commercial scale project secured in the California seabed lease auction

First to install recyclable rotor blades at Kaskasi; also used for Thor and Sofia, which are currently under construction

First developer in the world to utilise Siemens Gamesa's GreenerTower¹ at Thor

Active engagement with local communities, e.g., support of local food banks and fishermen in the US

¹CO₂-reduced towers: The tower steel plates are made of greener steel that produces at least 63% less emissions compared to conventional steel.

Offshore wind

We have established a leading offshore wind platform in the US with ~6 GW of capacity¹



California

Approximately 1.6 GW

Offshore wind

+

- First commercial-scale floating offshore wind project
- Project is expected to be in operation by the mid-2030s (Link)



New York Bight

- Approximately 3.3 GW (RWE share 2.4 GW)
- Joint development with National Grid under Community Offshore Wind (Link)



Gulf of Mexico

- Capacity to develop up to 2 GW of fixed-bottom offshore wind
- power over 350,000 US homes with clean energy
- Project is expected to be in operation by mid-2030s (Link)

¹ Pro rata view.

REPowerEU target of 165 GW installed offshore capacity by 2030 requires expansion of supply chain



Note: Analysis by Winded ope.

Offshore wind

+

Offshore wind

1

World's first recyclable wind turbine blades Kaskasi, Sofia & Thor



Reef Cubes in the Baltic Sea Artificial structures as marine habitat

How?

Why?

-

RWE pilot study in collaboration with Linnaeus University and Baltic Offshore Kalmar AB to

Offshore wind



Deploy 180 carbonneutral and plastic-free reef cubes from ARC Marine as a marine habitat for mussels, algae and fish species



Investigate the effects on biodiversity and ecosystem services such as nutrient cycling and water quality



Pilot contribution to the restoration and preservation of the Baltic Sea

The project aims to investigate the creation of artificial reefs in the Baltic Sea by monitoring the biodiversity that grows on man-made structures. The project will assess differences at three depths through a dedicated monitoring programme, including the use of eDNA.



Where?





Source: https://www.rwe.com/en/press/rwe-offshore-wind-gmbh/2024-05-22-rwe-tests-artificial-reefs-at-offshore-wind-farm-in-the-baltic-sea/

Offshore wind

1

CO₂ reduced towers – Thor, Denmark Greener steel for offshore wind parks



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Offshore wind

Floating wind

RWE is actively participating in several high-profile floating demo projects for detailed insight and experience.

- Floating offshore wind has great potential and opens attractive market opportunities not accessible via fixed bottom installations
- Our demonstration projects are providing **unique insights** into the particular challenges and opportunities of different structure types, materials, mooring systems, and installation methodologies
- The learnings that we acquire from our demonstration projects will help to drive down the cost of our commercial-scale project in the future
- RWE was successful in securing a 1.6 GW floating wind lease area off the California coast and is exploring floating wind opportunities in Europe, Americas and Asia-Pacific as well

Demo project TetraSpar Demonstrator

- Location: Norwegian coast
- Water depth: 200 metres
- Distance to shore: 10 km
- Capacity: 3.6 MW
- Platform type: Suspended counterweight
- Platform material: Steel
- Operational since: November 2021

Demo project **DemoSATH**

- Location: Bay of Biscay, Spain
- Water depth: 85 metres
- Distance to shore: 3 km
- Capacity: 2 MW
- Platform type: Barge
- Platform material: Concrete
- Operational since: September 2023







+

Evolution of RWE's Offshore Wind Farms



Offshore wind assets in detail - operational

Triton Knoll (UK, North Sea)

Offshore wind

1

- COD: 2022
- RWE share: 59%
- Capacity: 857 MW
- 90 x MHI Vestas 9.5 MW turbines
- Water depth: 15-24 m
- Location: 32 km distance to UK mainland (Lincolnshire)
- Support regime: two-sided CfD with a strike price of £74.75/MWh¹ for 15 years (current strike price of £ 102.03/MWh)
- ~0.8 million potential UK homes supplied annually
- One turbine rotation can power a typical home in the UK for 29 hours

Kaskasi (Germany, North Sea)

a N

- COD: 2022
 - RWE share: 100%
 - Capacity: 342 MW
 - 38 x Siemens Gamesa 9 MW turbines
 - Water depth: 18-25 m
 - Location: 35 km north of the island of Heligoland in the "Heligoland Cluster" together with the offshore wind parks Amrumbank and Nordsee-Ost
 - Support regime: one-sided CfD with a strike price of €48.6/MWh for 20 years
 - Contracted via corporate PPAs
 - ~0.4 million Germans homes will be supplied annually
 - RWE to pilot first ever recyclable rotor blades by Siemens Gamesa at Kaskasi



Offshore wind projects in detail - under construction

a N

Sofia (UK, North Sea)

Offshore wind

1



- COD (expected): 2026
- RWE share: 100%
- Capacity: 1400 MW
- 100x Siemens Gamesa 14 MW
- Water depth: 20-35 m
- Location: Dogger Bank, 195 km from the nearest point on the UK's Northeast coast
- Support regime: two-sided CfD with a strike price of £ 39.65¹/MWh (current strike price of £ 51.89/MWh)
- ~1.4 million potential households supplied annually
- About 50% of Onshore and Offshore station to be manufactured locally in UK
- Will employ the worlds longest and most powerful HVDC-System to date

Thor (Denmark, North Sea)

- COD (expected): 2027
 - RWE share: 100%
 - Capacity: 1080 MW
 - 72x Siemens Gamesa 15 MW
 - Water depth: Avg. 23-32 m
 - Location: 22 km off the coast of Thorsminde on the west coast of Jutland

illustrative

- Support regime: to be contracted via PPAs ahead of COD
- 30-year operational license with further 5-year extension possible
- ~1 million potential households supplied annually
- Grid connection agreement with Energinet
- Will be biggest Danish Offshore Wind project

¹ 2012 prices.

Offshore wind projects in detail - under construction

illustrative

Nordseecluster (Germany, North Sea)

Offshore wind

1

- COD (expected):
 - Nordseecluster A: 2027
 - Nordseecluster B: 2029
- RWE share: 100%
- Capacity: 1560 MW
- 104x Vestas 15 MW (V236-15MW)
- Water depth: 28 33m
- Location: North Sea, 50 km north from Island Juist
- Support regime: to be contracted via PPAs ahead of COD
- ~1.6 million potential households supplied annually
- 25-year operational license with further 10-year extension possible



- COD (expected): 2028
- RWE share: 50%
- Capacity: 397.5 MW (pro rata)
- 53x Vestas 15 MW (V236-15MW)
- Location: ~53km from ljmuiden (North Holland)
- Support regime: to be contracted via PPAs ahead of COD
- 30-year operational license with further 5-year extension possible
- Will be the first system integration project in the Dutch market
- More than 1 million potential households supplied annually

Onshore wind & solar

Page 94



Excellent market position to accelerate onshore wind & solar build-out across North America, Europe and Australia

Existing asset base



Note: Pro rata view as of 31 December 2023; rounding differences may occur.



Onshore wind and solar build-out plans until 2030 backed by an attractive pipeline





Onshore wind globally



Note: Pro rata view as of 31 December 2023; rounding differences may occur.



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Scaling up US growth ambitions • through acquired pipeline of CEB

Strengthening our EU and UK solar & battery platform by acquiring **JBM** Solar (UK) (6.1 GWac) and AlphaSolar (PL) (~3 GWac)

Solar **Solar globally**

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Innovation and sustainability are a key part of our onshore wind and solar strategy



First Agri-PV demo project launched **in Germany (Garzweiler)**, further driving our **just transition in the Rhenish area**

At the **forefront of floating PV**; first floating solar farm commissioned in the Netherlands

World's first operator of wind turbines on a dyke, exploiting excellent wind conditions

Driving sustainability through the development of **circular economy** industrial solutions, joining the RenerCycle consortium

Several biodiversity initiatives to operate wind farms in harmony with the ecosystem (e.g., black blades to increase visibility of the rotors to birds)



Onshore wind/solar assets in detail - operational

Cassadaga (USA, New York)



- COD: 2021
- RWE share: 100%
- Capacity: 125 MW
- 27 x Nordex and 10 Siemens turbines
- Location: Chautauqua County, NY
- Support regime: ITC
- Offtake: PPA
- ~37,000 potential US homes supplied annually
- RWE's 29th onshore wind farm in the U.S. and represents RWE's second onshore wind project in New York



Limondale Sun Farm (Australia)



- COD: 2021
- RWE share: 100%
- Capacity: 249 MW
- approx. 872,000 panels used for this project

- Location: New South Wales
- Support regime: Merchant, PPAs and Green Certificates
- One of the largest solar parks in Australia, covering an area of around 770 hectares, 450 football fields
- ~105,000 potential households supplied annually

Onshore wind

Onshore wind assets in detail - operational

Scioto Ridge (USA, Ohio)





- COD: 2021
- RWE share: 100%
- Capacity: 250 MW
- 75 x Siemens Gamesa turbines
- Location: Ohio, Hardin and Logan Counties
- Support regime: REC/PTC
- Offtake: PPA
- More than 60,000 potential households supplied annually
- RWE's 1st onshore wind project in Ohio



- COD:2016
- RWE share: 100%
- Capacity: 90 MW
- 12 x 7.5 MW Enercon turbines
- Location: Westermeerdijk and Zuidermeerdijk
- Support regime: FiT (SDE+€120/MWh)

- ~80,000 potential Dutch homes supplied annually
- Q&M provided by EPK Enercon
- Zuidwester ist part of Noordoostpolder, one of Europe's largest wind power projects

Solar and storage assets in detail - operational

West of the Pecos (USA, Texas)

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Solar

- COD: 2019
- RWE share: 100%
- Capacity: 100 MW
- More than 350,000 photovoltaic panels built over a 270-hectare area
- Location: Reeves County, TXS, approx.75 miles southwest of Midland-Odessa
- Support regime: ITC
- Offtake: PPA and Firm Hedge
- Q&M provided by RWE



Hickory Park (USA, Georgia)

- COD: 2022
- RWE share: 100%
- Capacity: 196 MW coupled with a 40 MW 2-hour battery storage system

- Location: Mitchell County, Georgia
- Support regime: ITC
- Offtake: PPA
- Hickory Park is RWE's largest solar plus storage project in the U.S.
- Offtake: 30-year utility contract
- Solar power plant will interconnect more than 650,000 solar panel
- Hickory Park covers an area of about
 728 hectares

🛗 Solar

Solar projects in detail - operational & under construction

Bright Arrow (USA, Texas)





- RWE share: 100%
- Capacity: 300 MW + 100 MW battery storage system
- 876,000 photovoltaic panels and 85 central inverters
- Location: 80 miles east of Dallas, Hopkins county, TX
- Support regime:
 - Solar: PTC/PPA
 - Battery: ITC



Stoneridge (USA, Texas)

COD (expected): 2025

- RWE share: 100%
- Capacity: 200 MW + 100 MW battery storage system

illustrative

Location: Milam County, TX

4 $\stackrel{}{\cong}$ Onshore wind & solar

Highlights of projects in Europe & Australia

Nysäter





Highlights of projects in the US



Batteries

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Batteries hold increasing importance and attractive return profile

Value stacking of batteries revenue streams



Wholesale markets

Storage of excess electricity to sell in periods when wind/solar power is unavailable and prices are elevated

Capacity markets Stable income streams via the provision of firm capacity

Ancillary markets Provision of inertia, reactive power or frequency response services for grid stability



Batteries pipeline maturity 25% 24 GW

70%

Batteries: Balancing the system is a growth opportunity



UK < 1% Ireland 9% • US: 69% Germany 21% 726 MW¹ •

Assets in operation

- ¹ Pro rata view as of 31 December 2023. I Note: Rounding differences may occur.
- RWE August 2024 Factbook 2024

- Own operated battery storage systems in US, Germany, UK and Ireland
- Growth focus in batteries on **co**location in particular with wind and solar sites
- Additionally working **on further** innovative technologies
 - e.g. redox-flow storage systems
 - second-life batteries
Batteries

Battery storage assets in detail- operational

Texas Waves - Pyron (USA, Texas)

- COD: 2018
 - RWE share: 100%
 - Capacity: 2 x 9.9 MW / 5 MW
 - A battery system co-located at the Pyron Wind Farm (269 MW)
 - Location: near Sweetwater, TXS
 - Support regime: ITC
 - Offtake: merchant
 - Q&M provided by RWE
 - Energy storage participates in the frequency regulation market and helps to maintain frequency stability
 - In case the frequency drops or increases below certainty threshold, the battery will discharge or charge to support the grid to maintain the grid frequency at 60 Hz



Lisdrum - County Monaghan (Ireland)

- COD: 2022
- RWE share: 100%
- Capacity: 60 MW
- Second battery storage facility that RWE has brought online in Ireland
- Location: Lisdrumdoagh, (3 km East of Monaghan town)

illustrative

- Support regime: Other
- Site provides a short term back-up to help address power outages, and to maintain a more stable and secure electricity supply in Ireland



FlexGen & hydrogen

We are leveraging existing sites to build new FlexGen capacity and decarbonise our existing portfolio

Attractive sites for potential FlexGen new builds in Germany



- **Existing grid connection** and other infrastructure (e.g., gas, H2 or water pipeline)
- Availability of **experienced workforce**
- Relationships with **local** communities and authorities



FlexGen portfolio will be fully decarbonised by 2040 using CCS or fuel conversion

Attractive brownfield sites

Gas: Highly efficient and flexible gas assets

Assets in operation and power generation



- #2 gas fleet in Europe
- 30 power units in
 - Germany
 - UK
 - Netherlands
 - Turkey

¹ Pro rata view as of 31 December 2023. I ² Accounting view as of 31 December 2023. I Note: Rounding differences may occur.

Biomass: Focused on biomass co-firing





• 4 power plants in

- Netherlands
- UK
- Germany (Neurath BGA (< 1 MW))
- Biomass co-fired power plants
- Biomass net capacity:
 - Amer (505 MW) currently being upgraded to 100% Biomass
 - Eemshaven A+B (237 MW)
 - Certificated biomass

¹ Pro rata view as of 31 December 2023. I ² Accounting view as of 31 December 2023. I Note: Rounding differences may occur.

Hydro & pumped storage: Attractive portfolio with high flexibility

Hydro assets in operation and power generation



- **1,555 MW of installed pumped storage capacity** in Germany, thereof:
 - Own operated power plant
 - Koepchenwerk (162 MW)
 - Contractually secured plants³
 - SEO Vianden (523 MW)
 - Schluchsee (870 MW)

¹ Pro rata view as of 31 December 2023.1² Accounting view as of 31 December 2023.1³ Based on long-term use agreements. I Note: Rounding differences may occur.

Our carbon capture projects in the UK

Our pathway to decarbonisation...

- We are looking at carbon capture technology as a viable way to decarbonise our gas plants which are located within the vicinity of proposed CO₂ networks or shipping facilities, where the CO₂ could be transferred to safe storage solutions
- We are currently progressing early development work and preparing information
- It will allow for existing plants at Staythorpe and Pembroke, and a new build Combined Cycle Gas Turbine power station (CCGT) near the Humber, to be submitted into the next stage of the Government's Track-2 Phase-2 of the Cluster Sequencing for Carbon Capture Usage and Storage Deployment process

...by considering three potential carbon capture projects across the UK¹



Together, these three projects would enable:

- **4.7 GW** of secure, flexible and low carbon energy
- 11 Mt/year of CO₂ capture (equivalent of removing 2.2m petrol cars from the road)
- 300+ high quality and long-term jobs

¹ For more information: <u>https://uk-ireland.rwe.com/rwe-generation-uk/rwes-carbon-capture-projects/</u>

With our lighthouse projects, we confirm our ambition to be an early-mover in Europe's H2 economy



RWE has a good starting point along the value chain for green hydrogen



H₂ercules Hydrogen fast track for Germany

illustrative

H_aercules ^ŏ**H**₂ercules

Hydrogen production, storage and import terminals in the north of Germany to be connected with consumers in the west and south





Gas transmission network operator plans

- Grid conversion (2030)
- New grid construction (2030)

- Plans for up to 1 GW of new electrolyser capacity and 1,500 kilometers of pipeline.
- Importing options through ports in Lower Saxony or grid connected neighboring countries.
- Storage facility in Gronau-Epe (as part of GET H₂).
- Around 2/3 of predicted H₂ demand in 2030 could be connected.
- New building of at least 2 GW H₂-ready power plants.
- Already over 20 companies as partners of initiative.

Project partners (selection)

-) OGE

HyTechHafen Rostock – an initial project in the Energiehafen Rostock Strategy

Supported by:

Federal Ministry for Economic Affairs and Climate Action

on the basis of a decision by the German Bundestag illustrative

rostock EnergyPort cooperation

HyTechHafen Rostock: Four partners formed the project company "Rostock EnergyPort cooperation GmbH"



- The project "HYTechHafen Rostock" aims at the construction of a 100 MW electrolyser, its connection to the Hydrogen Backbone grid, the intermediate storage of hydrogen as well as the construction of a hydrogen filling station which is intended for transport by trailer.
- The project is selected as IPCEI project by the German government and is part of the IPCEI Hy2Infra wave.
- HyTechHafen Rostock received its funding approval in the amount of ~€199 m by the German Ministry of Economic Affairs and Climate Action (BMWK) and the federal state of Mecklenburg-Vorpommern in July 2024.



₩ FlexGen & hvdrogen GET H₂ aims to kick-start the creation of nationwide infrastructure in Germany



Funded by the European Union NextGenerationEU

by the German Bundestag

illustrative

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GET H₂

An initiative of > 40 industrial and gas companies. In the first sub-project GET H2 Nukleus, RWE plays a key role in the production of areen hydrogen at the RWE Lingen site



- The initiative has spawned GET H₂ Nukleus, a pilot project for the construction of the first publicly accessible hydrogen infrastructure involving BP. Evonik, Nowega, OGE and RWE.
- RWE's part consists of building a 300 MW electrolyser capacity and produce green hydrogen at the RWE Lingen power plant site. Scaling potential up to 2 GW.
- RWE received its IPCEI funding approval in the amount of 619m€ for GET H₂ and Epe by the German Ministry of Economic Affairs & Climate Action (BMWK) and the federal state of Lower Saxonv in July 2024.
- The objective is to connect Lingen to the existing hydrogen network in the Ruhr region via a repurposed natural gas pipeline, in order to supply the areen hydrogen to refineries and chemical parks.

Project partners (selection)

-) OGE



In the UK, RWE is working with partners to develop a hydrogen economy for industries in South Wales

illustrative



South Wales Industrial Cluster

RWE's Pembroke power station in Milford Haven is part of a large industrial park and can serve as a site for hydrogen production



- RWE's Pembroke gas-fired power station in Milford Haven is situated in one of six major industrial clusters in the UK. Thanks to its proximity to companies in the British steel, chemicals, oil and cement sectors, Pembroke is well suited to function as a future hydrogen production centre.
- The project encompasses the local production, distribution and usage of hydrogen.
- Further subjects of the project consortium's interest are carbon cycle options (e.g. carbon capture during cement production and synthetic fuel production).



Pembroke Green Hydrogen Phase 1 – lighthouse project

Pembroke Green Hydrogen Project (Phase 1)

Lighthouse green hydrogen project in SW Wales helping to decarbonise industry and support local hydrogen mobility



- Phase 1 is for 110 MW of electrolyser capacity.
- Main offtaker will be a nearby industrial user via pipeline, replacing natural gas supply. Smaller offtake for mobility uses planned.
- Plant will be located adjacent to Pembroke CCGT and share some services e.g water treatment plant.
- Grid connection from October 2026, water supply available.
- £1.25 m Devex funding publicly announced for RWE's Pembroke Phase 2 project earlier this year.

Illustrativ

Eemshydrogen plans to produce hydrogen with electricity from RWE onshore wind farm in the Netherlands

illustrative

Eemshydrogen: Demonstration of flexible electrolyser operation in line with wind speed-dependent electricity from existing RWE Westereems onshore wind farm



- The facility, rated at 50 MWe, is planned at RWE's power plant location in Eemshaven, Netherlands.
- Synergies with the power station site will be leveraged: a.o. demin water, fire fighting water and sewer.
- Gasunie (TSO) to build hydrogen infrastructure in order to transport to Delfzijl (northern part of the hydrogen backbone).
- OWE funding has been granted in full €124.9 m.

AquaVentus initiative aims to kick-start Offshore H2 industry in Germany



AquaVentus

Initiative of > 100 members across H_2 value chain targeting to kick-start Offshore H_2 industry in Germany. RWE is playing a key role in the development and realisation of the AquaVentus vision.



- AquaVentus has the vision to install 10 GW of offshore green hydrogen generation capacity in the German North Sea and establish an associated transport infrastructure.
- The initiative comprises numerous coordinated sub-projects along the value chain, in which agile and highly committed consortia work on the realisation of the vision.
- RWE is playing a leading role in the development and realisation of the sub-project AquaSector as well as the AquaVentus vision.
- AquaSector targets to build the world's first multi-hundred MW offshore H2 project and become a steppingstone for gigawatt scale projects.

H2opZee is one of the first large scale Offshore H2 demonstrators in the Netherlands



H2opZee

H2opZee is a consortium-led project between RWE and Neptune Energy with the ambition to install up to 500 MW of offshore hydrogen capacity by 2031, with the possibility of future large-scale (gigawatt scale) expansion



- For the Dutch energy transition, sustainable energy from the North Sea is essential. The H2opZee project intends to demonstrate the feasibility of building a standalone offshore hydrogen production windfarm.
- RWE is developing the project in a 50-50 cooperation with the largest offshore gas producer in the Dutch part of the North Sea, Neptune Energy.
- H2opZee realizes 500 MW of additional hydrogen-out-of-sea capacity using the offshore Hydrogen backbone which is to be operated by the TSO.
- The project is one of the first demonstrators of offshore H₂ production technology at this scale and requires a major RD&I effort.

Commercial solutions

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Value creation through fundamental understanding of markets

Traded volumes in 2023



Leading energy trading company and **significant gas portfolio** player

Interface between the RWE Group and global wholesale markets for energy and energy-related raw materials and services

Europe's largest energy trading floor at RWE's headquarters (Essen, Germany);

trading offices worldwide

Source: RWEST Risk Governance, March 2023. |¹ Gas traded volume 2023, financial and physical transactions jointly reported.

Clearly organised in 3 core business areas

Trading & Origination

- Proprietary trading activities in energy and energy-related commodities in all relevant markets across the globe
- Energy transition investments in commoditydriven assets and companies where we can deliver value from strong trading capability and deep understanding of energy commodity markets

Commercial Asset Optimisation

- Optimisation of physical and contractual power assets – from long-term hedging to dispatch decision
- Energy Transition Origination is responsible for the origination of hydrogen projects



- Management and optimisation of the Group's Pan-European gas portfolio, gas supply, storage and transport contracts as well as the global LNG portfolio
- Commodity Solutions as fully-fledged service provider for industrial customers and aggregators





Understanding of fundamentals drives trading approach & Energy Transition Investments



Energy Transition Investments

- Focus on private equity-like investments in assets and companies across the energy spectrum that are related to the global energy transition
- Deployed over €500m in more than 20 transactions across the entire energy value chain, with typical equity investments of up to €50m

Commercial Asset Optimisation (CAO) The interface between generation & markets

Business interaction



Commercial Asset Optimisation



Gas Supply RWEST is a major asset backed gas player in Europe



Large gas portfolio across Europe

- Diversified physical European gas supply of ~156 TWh/a across 20+ countries centred around North Western and Central European markets
- Sourced from major international producers, smaller independents and from traded markets
- Booked working gas volume in **gas storages** of about 50 TWh
- ~55 GW gas **transportation capacity** at more than 70 European border points and storage connections

Global LNG activities

- Sizeable global LNG portfolio with a strong customer base in Europe, Asia and the Middle East
- Tailor-made solutions for LNG customers & supply across all major markets
- Chartered 2 FSRUs on behalf of German government and initiation of Elbehafen project as main investor

Commercial solutions

Commercial solutions

LNG activities: A successful growth story

Pioneer in developing physical and financially structured transactions, working with our customers to offer tailored indexation and flexibility, along with competitive pricing and reliability.

Global LNG activities

- Close cooperation with our partners combining innovation and competitive pricing
- Experience in global energy markets to develop tailor-made solutions for our counterparties
- Risk management and Liquidity solutions
 through financial markets
- Bespoke LNG pricing on different indexations 5
- Global presence enabling supply across all major markets
- Chartered 2 FSRUs on behalf of German government and developed/commissioned the Elbehafen LNG project

LNG physical traded volumes



2023 in figures

- 19.4 million tonnes of physical LNG traded
- Approximately 9.3 million tonnes (~140 cargoes) delivered to offtakers

Commercial solutions

Commodity Solutions Reliable partner for energy supply

Commodity Solutions supplies large customers and with energy and energy-related services. We offer standard supply, trading products and bespoke solutions. We create win-wins based on our best-in-class asset- and portfolio management.

Supply and Route-to-Market Services



- Standard (plant gate) supply
- CO₂ reduced power
- Structured products
- (Grid-) cost optimisation
- Flexibility management/VPP

Trading products



- Forward and spot products Hedging strategies
- Analyses/research products
- Hydrogen/ammonia
- Long term supply (power, gas, LNG)

Bespoke products and services

- Green power/PPAs
- Corporate PPAs
 - Corporate Trading
 - Cross-border PPAs
- Individual partnerships and services
- Certificates (REGOs & GoOs)
- Tailored marketing services



Commodity Solutions Overview

Criteria	2024
Covered markets	13 Germany, Netherlands, Belgium, UK & Ireland, Sweden, Denmark, Finland, Norway, Poland, France, Greece, Italy, and Spain
Number of current customers (contracted)	>500 (electricity)/>300 (gas)
Typical customer	Annual power around 100 GWh
Customer profile	Energy suppliers, Energy intensive industries & municipalities e.g., Manufacturers, Chemicals, Automotives, Heavy industries, Wholesales, Pharmaceuticals, FMCG, etc.
PPA volumes sold in 2023 ¹ (MW)	1,168 #1 PPA Team in Europe
Number of offices with our expert presence	7 Essen, Swindon, Rome, Paris, Copenhagen, Geertruidenberg, Athens
Number of Commodity Solutions experts	>40



Gas Storage: Operation and Marketing of underground natural gas storages

RWE's Storage System Operators (SSO)



¹ Billion cubic metres.

Phaseout Technologies



Lignite: Integrated system including mining, refining and power plants





Lignite:	
Agreed closure plan for RWE's lignite power plants by 2030	

Asset name	Net installed capacity [GW, pro rata]	Decommissioning Date
Weisweiler F	321 MW	Decommissioning 1 January 2025
Weisweiler G	663 MW	Decommissioning 1 April 2028/2029
Weisweiler H	656 MW	Decommissioning 1 April 2028/2029
Niederaußem G ¹	628 MW	Decommissioning 31 December 2029
Niederaußem H ¹	648 MW	Decommissioning 31 December 2029
Neurath F (BoA 2) ¹	1,060 MW	Decommissioning 31 March 2030
Neurath G (BoA 3) ¹	1,060 MW Decommissioning 31 March 2030	
Niederaußem K (BoA 1) ¹	944 MW	Decommissioning 31 March 2030

¹ The German government has the option to extend the term via a security reserve until 31 December 2033; decision of the German government needs to be taken in 2026 at the latest. | Note: The German government has the option to decide whether to put Niederaußern G or H in the security reserve.

Lignite: Longstanding experience in recultivation & structural change



Recultivation

- **Forestry recultivation:** Near-natural forest management. By mid of the century 2,200 more hectares of forest reforested than cleared
- **Biodiversity:** Diversity of species comparable to high value reference habitat with >3,200 animal species and >1,500 plant species
- **Agricultural recultivation:** 7 years biological activation of fields by RWE. Afterwards farmer take over the fields for planting in the lend whose quality is guaranteed by RWE for 25 years

Structural change

- **Renewable energy** Use of onshore wind and agri-PV on recultivated sites is currently examined together with research institutes
 - Site development: Perspektive.Struktur.Wandel GmbH (PSW) is an established company entrusted with the qualification and development of strategically important sites; in cooperation with the federal government and municipalities





Plant Repurposing

- New technologies
 Existing power plant
 equipment and
 infrastructure can be used
 for other technologies, e.g.
 Deep Geothermal energy
 or H2-ready combined
 cycle gas turbines
- New opportunities Economical use of fallow land for open-space PV systems including battery storage in the opencast mining landscape

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Lignite contains more water than hard coal and therefore converts into less electricity per ton

Conversion of lignite mining volumes to hard coal, in million ton (mt)



- ¹ 29,307 kJ/kg is the officially recognized number for the conversion. |² Calorific value of lignite in the Rhenish mining area.
- **RWE** August 2024 Factbook 2024

- Less hard coal is required to create the same amount of heat compared to lignite
- Calorific value of hard coal equivalent is equal to 29,307 kJ/kg¹ while lignite is ~8,000 - 10.000 kJ/kg²
- Calculation for 2023 hard coal equivalent is computed using the following inputs:

Material	Amount (mt)	Heat value	Hard coal equivalents
Lignite	48	9,000	(48 x 9,000) / 29,307=14.7
Hard coal	-	29,307	-

Nuclear: Experience across entire nuclear plant lifecycle with focus on secure and efficient decommissioning

Nuclear power generation in Germany **ended** in 2023

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Focus: Secure and efficient **decommissioning** of all RWE nuclear power plants

RWE Nuclear units in Germany	Net capacity (GW)	End of operations	Spent fuel removal	Decomm. licence	Decommissioning progress	
Emsland	1.3	2023	2027	Pending	Preparation for decommissioning	Post-operational phase
Gundremmingen C	1.3	2021	2026	✓	Advanced	
Gundremmingen B	1.3	2017	1	~	Advanced	
Biblis A	1.2	2011	✓	~	Advanced	
Biblis B	1.2	2011	✓	✓	Advanced	In decom-
Mülheim-Kärlich	1.2	1988	✓	~	Far advanced	missioning
Lingen KWL	0.3	1979	✓	✓	Far advanced	
Gundremmingen A	0.2	1977	~	1	Far advanced	
Kahl	0.01	1985	1	4	Finished	Decom- missioned

Status



Nuclear:

Example: Decommissioning cash flow profile (one unit)



Cash flow profile of provisions driven by timing of individual shutdowns



Accounting of provisions

Nuclear provisions (31.12.2023)	€5.4bn
Discount rate	2.07%
Escalation rate	2.04%
Sensitivity (+/-10 bps change in real discount rate)	c/+€30m

Utilisation of provisions

- Increased utilisation of provisions due to further shutdowns (€500m – €600m p.a.) from 2024 to 2027 and €300m – €400m p.a. from 2028 to 2030
- Clear reduction in utilisation of provisions from ~2030 onwards

Nuclear: Decommissioning steps

Basic site management



 $^{1}\,\mathrm{For}$ example melting, incineration, compaction, packaging and documentation.

illustrative



Appendix
RWE generation asset list



RWE generation asset list as of 31 December 2023

Note: Rounding differences may occur.

Glossary

Α

aFRR	Automatic Frequency Restauration Reserve	COD
APAC	Asia Pacific	CO ₂ e
в		CPI
Bcm	Billion cubic metre	CPPA
BM start up	Balance Mechanism start up	CRM
Bps	Basis points	D
BREF-LCP	Best Available Techniques Reference -	DESNZ
с	Large Combustion Plants	DUKE
CAO	Commercial Asset Optimisation	E
CAGR	Compound Annual Growth Rate	EEG
CAPEX	Capital Expenditure	EFR
CBAM	Carbon Border Adjustment Mechanism	EMR
CBS	Central office for Statistics Netherlands	EMS
CCGT	Combined Cycle Gas Turbine	EnWG
CCS	Carbon Capture and Storage	EP
CCUS	Carbon Capture Utilisation and Storage	EPS
CfD	Contract for Difference	ETS
CHP	Combined Heat and Power	EV
СМ	Capacity Market	

Commercial Operation Date
Carbon dioxide equivalent
Consumer Price Index
Corporate Power Purchase Agreement
Capacity Remuneration Mechanism
Department for Energy Security and Net Zero
Digest of UK Energy Statistics
Renewable Energy Act
Enhanced Frequency Response
Energy Market Reform
Energy Management System
Energy Industry Act
European Parliament
Earnings Per Share
Emission Trading System

FCR Frequency Containment Reserve FFR Firm Frequency Response FID Final Investment Decision FIP Feed-in Premium FIT Feed-in Tariff Fast-moving Consumer Goods FMCG Floating Storage and Regasification FSRU Unit G GHG Greenhouse Gas GENCOs Generation Companies Guarantee of Origin GoO н High Voltage Direct Current HVDC

Country Codes AT Austria CH Switzerland FR France AU Australia CL Chile GB Great Britain

DE Germany

DK Denmark

ES Spain

GR

HR

IE

Greece

Croatia

Ireland

IN	India
IT	Italy
JP	Japan
KR	South Kored
LV	Latvia

Enterprice Value

MX	Mexico
NL	Netherlands
NO	Norway
PL	Poland

PT Portugal

F.

RO Romania SE Sweden TR Turkey UK United Kingdom US United States of America

RWE August 2024 Factbook 2024

Belgium

Bulgaria

Canada

BE

BG

CA

Glossary

I.	
ICE	Institution of Civil Engineers
IFRS IPCEI RHATL IPPs	International Financial Reporting Standards Important Projects of Common European Interest; Regional Hubs and Their Links wave Independent Power Producer
IRR	Internal Rate of Return
ITC	Investment Tax Credit
J	
JV	Joint Venture
К	
KPIs	Key Performance Indicators
KEPCO	Korean Electric Power Corporation
L	
LCOE	Levelised Cost of Electricity
LOLE	Loss of Load Expectation
LRF	Linear Reduction Factor
М	
MACRS	Modified Accelerated Cost-Recovery System
MFR	Mandatory Frequency Response
mFRR	Manual Frequency Restauration Reserve
MSR	Market Stability Reverse
Mt	Metric tonnes
qWM	Megawatt peak

Ν NECP

NYB

OCGT O&M

OPEX

OREC

ORESS

OTC

PPA

PSA

PTC

ΡV

Q

QIA R

RD&I

REC

RED

REFIT

Ρ

0

National Ene	ergy and Climate Plans
New York Big	ght
Open Cycle (Gas Turbine
Operation a	nd Maintenance
Operational	expenditure
Offshore Rer Offshore Wir Scheme Over-The-Co	newable Energy Certificate nd Renewable Electricity Support punter
Power Purch	ase Agreement
Power Suppl	y Agreement
Production T	ax Credit
Photovoltaic	
Qatar Invest	ment Authority
Research, De	evelopment and Innovation
Renewable E	inergy Certificate
EU Renewab	le Energy Directive

REGOs	Renewable Energy Guarantees of Origin	
	Review of Electricity Market Arrangements	
DEC	Review of Electricity Market Arrangements	
REG	Renewables	
RESS	Renewable Electricity Support Scheme	
RFNBO	Renewable Fuels of Non-Biological Origin, incl. Green hydrogen	
ROC	Renewable Obligation Certificate	
RPS	Renewable Portfolio Standard	
RR	Replacement Reserve	
S		
SDE	Stimulation Renewable Energy	
SDGs	Sustainable Development Goals	
SP	Service Procurement	
SSO	Storage System Operators	
STOR	Short Term Operating Reserve	
т		
TSO	Transmission System Operator	
T&S	Trust & Safety	
U		
UCTE	Union for the Coordination of the Transmission of Electricity	
UNFCCC	United Nations Framework Convention on Climate Change	
V		
VPP	Virtual Power Plan	
W		
WACC	Weighted Average Cost of Capital	

Your contacts in Investor Relations

Important Links

- Annual and interim reports & statements
- Investor and analyst conferences
- IR presentations & factbooks



Further information on our homepage RWE shares/ADR

Contact for ADR-holders at BNY Mellon shrrelations@cpushareownerservices.com +1 201 680-6255 (from outside the US) 1-888-269-2377 (within the US)

Financial Calendar

- 13 Nov 2024: Interim statement on the first three quarters of 2024
- 20 Mar 2025: Annual Report for fiscal 2024

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