

EDF Presentation



April 2025

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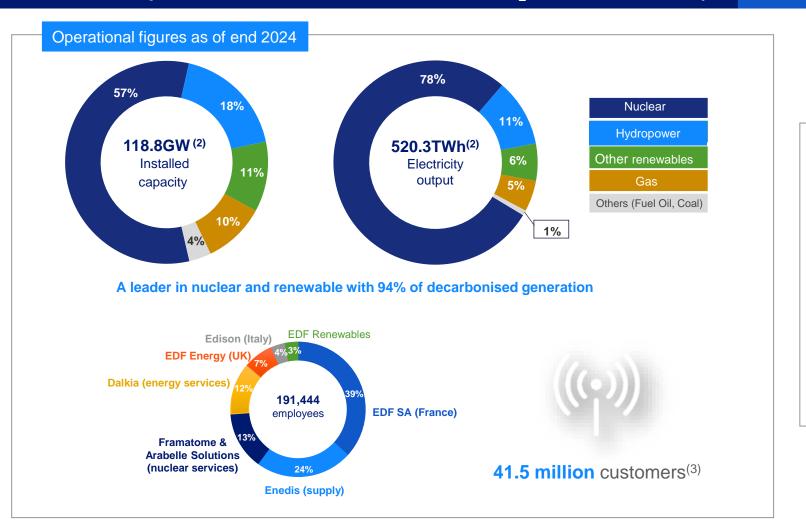
EDF Presentation

EDF is building the electricity system of tomorrow

LEADER IN LOW-CARBON ELECTRICITY GENERATION

First producer worldwide of zero direct CO₂ emission electricity⁽¹⁾

with a carbon intensity of 30gCO₂/kWh



2024 Financials

- → Sales: €118.7bn
- → EBITDA: €36.5bn
- → Net income excluding non-recurring items: €15.2bn
- → Net investments⁽⁴⁾: €22.4bn
- → Net financial debt : €54.3bn o/w green bonds outstanding: ~€19.8bn
- → Ratings: BBB positive (S&P) / Baa1 stable (Moody's) / BBB+ negative (Fitch)

(4) Total net investments excluding disposal plan.



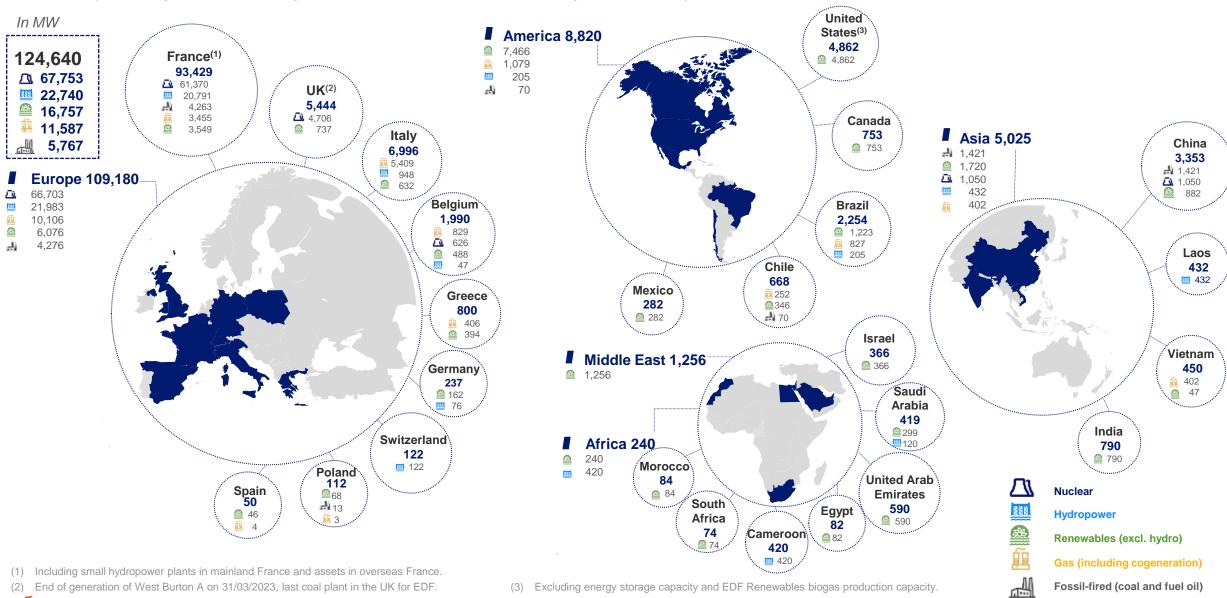
⁽¹⁾ Source: Enerdata Power Plant Tracker 2023

²⁾ Consolidated capacities and output

⁽³⁾ The customer portfolio consists of electricity, gas and recurring services contracts.

EDF group's net installed capacity by country at end-2024

Net capacity according to EDF's percentage ownership in Group companies, including associates and joint ventures.



Building the electricity system of tomorrow with Ambitions 2035



Customers:

 Be a leader in integrated decarbonisation solutions⁽¹⁾, notably by accelerating the electrification of customer uses as a substitute for fossil uses

Flexibility:

 Decarbonisation of flexible generation assets, storage facilities (hydropower and batteries), smart charging of electric vehicles, customer load shedding Supporting customers in reducing their carbon footprint

Increasing flexibility solutions to meet the needs of the power system

Producing more low-carbon electricity with nuclear and renewables

Developing networks to meet the challenges of the energy transition

Low carbon generation:

- Maximise the availability of the existing nuclear fleet and industrialise the construction programme for new reactors
- Accelerate the development of renewable energies (including hydropower)
- Develop projects through business models maximising the impact of the Group

Networks:

 Modernisation and digitalisation of distribution networks ⁽²⁾ and increase in connections for new system users (renewable energy, charging stations)

- (1) Offers and services in the building, industry and transport sectors.
- (2) In France, the public distribution network is managed independently by Enedis.



EDF is building the electricity system of tomorrow with "Ambitions 2035"



Customers:

- Contributing directly to 150TWh of additional demand of electricity in France, to replace fossil energies
- 8-9 million customers with a decarbonization offer in the G4 countries (1)
- > 45 Mt CO₂ avoided/year in the G4 countries
- 1.5 contract/individual customer in the G4 countries

Flexibility:

- Leader in flexibility solutions for its core markets
- +27GW of flexibilities (flexible decarbonized generation and storage assets, customer flexibility)

Supporting customers in reducing their carbon footprint

Producing
more low-carbon
electricity with
nuclear and
renewables

Increasing flexibility solutions to meet the needs of the power system

Developing networks to meet the challenges of the energy transition

Low-carbon generation:

- 75% of dispatchable assets in the energy mix (2)
- · Ability to deliver up to 2 nuclear reactors/year
- 8GW gross of renewable commissioned/year by the Group on average over 2024-2035
- Ensure maximum available electricity supply, safely and on time
- 22gCO₂ emitted on average/kWh produced

Networks (3):

- Continuing the development of **network intelligence**
- Meeting customers' connection needs while ensuring optimised network management
- Restoration of power to 90% of customers within less than 48 hours in the event of a climate hazard (excluding exceptional circumstances)
- Network resilience in non-interconnected zones, with 100% renewable electricity

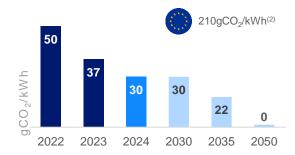
- (1) G4 countries are France, Italy, UK, Belgium
- (2) Calculated in net TWh
- (3) In France, the public distribution network is managed independently by Enedis



A commitment to low-carbon growth

Objective: net zero CO₂ emissions by 2050

Carbon intensity

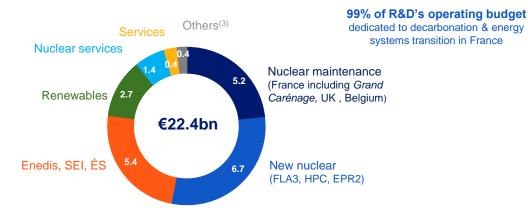


4gCO₂eq/kWh carbon footprint of nuclear life-cycle

→ EDF's trajectory validated by Moody's as in line with a 1.5°C global warming scenario

94% of the net investments in accordance with the net zero emissions target

In billions of euros



Nuclear pipeline of projects

6 EPR2

- Penly (~3.2GW)
- Gravelines (~3.2GW)
- Bugey (~3.2GW)



4 EPR

- Hinkley Point C (~3.3GW under construction)
- Sizewell C (~3.3GW)

Small Modular Reactor NUWARD

International EPR projects

Renewable pipeline of projects



→ Target of 8W gross commissioned / year

8

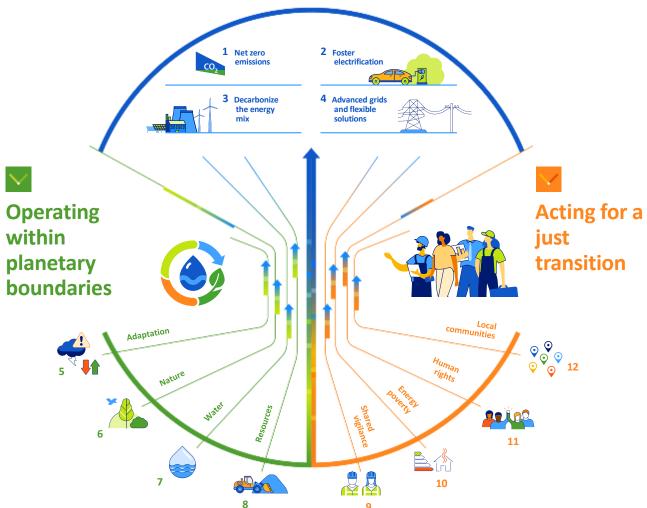
- (1) Direct carbon emissions related to generation, excluding life cycle assessment of generation means & fuels.
- (2) Value in 2023, European Environment Agency.
- Mainly thermal maintenance, gas, property, central functions.

Our raison d'être:

To build a net zero energy future with electricity and innovative solutions and services, to help save the planet and drive wellbeing and economic development.

As part of our "Ambitions 2035" strategic plan, EDF has set out 3 main objectives and 12 CSR commitments.

Building the electricity system of tomorrow



Our ambition: to be the generation making the transition

eDI

Building the electricity system of tomorrow

Achieve net zero emissions across all our activities by 2050.

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- Foster electrification: support our customers in adopting innovative, low-carbon solutions.
- Decarbonize the energy mix: accelerate the displacement of fossil fuels with low-carbon electricity and heat, through our existing and future nuclear and renewable power plants.
- Develop advanced grids and flexible solutions to meet the needs of the electricity system and drive the energy transition.

Operating within planetary boundaries

- Adaptation: reinforce the capacity of our local operations to adapt to climate disruptions.
- 6 Nature: contribute to the regeneration of ecosystems and mitigate our negative impacts.
- Water: contribute to preserving water resources to increase the resilience of ecosystems and to satisfy water demand in a concerted and sustainable manner.
- Resources: commit to a circular model which requires fewer raw materials, as well as to the responsible management of our nuclear and conventional waste.

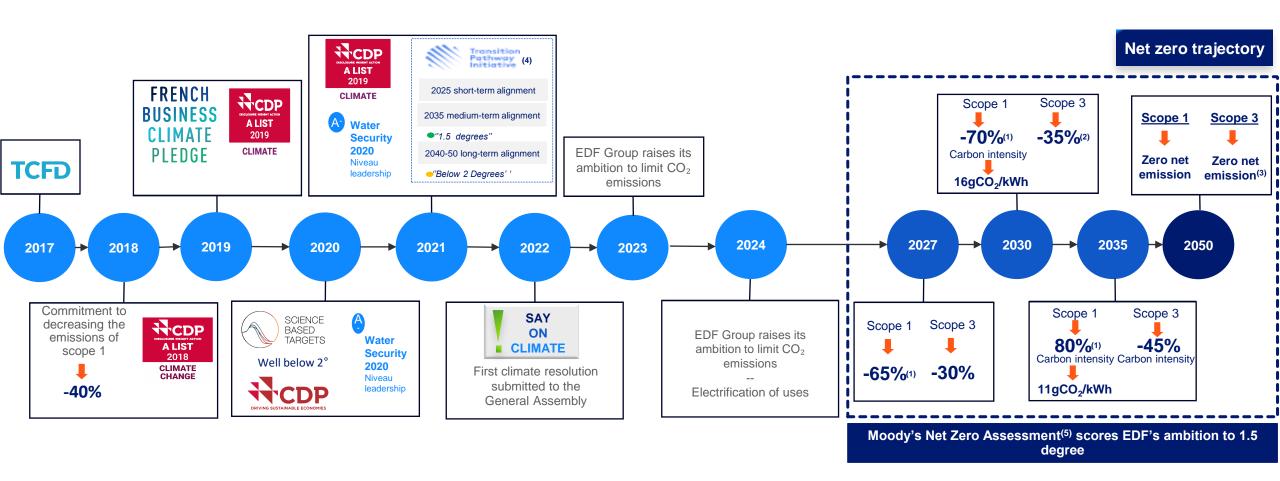
Acting for a just transition

- 9 Shared vigilance: safeguard the health and safety of all employees, partners and suppliers.
- 10— Combat energy poverty.
 - Champion human rights to promote greater inclusion, diversity and positive impact in our value chain.
 - Promote thriving local communities: maximise our positive impact on the territories where we operate through consultation with stakeholders and respect for their fundamental rights.



EDF, a company committed to protecting the climate

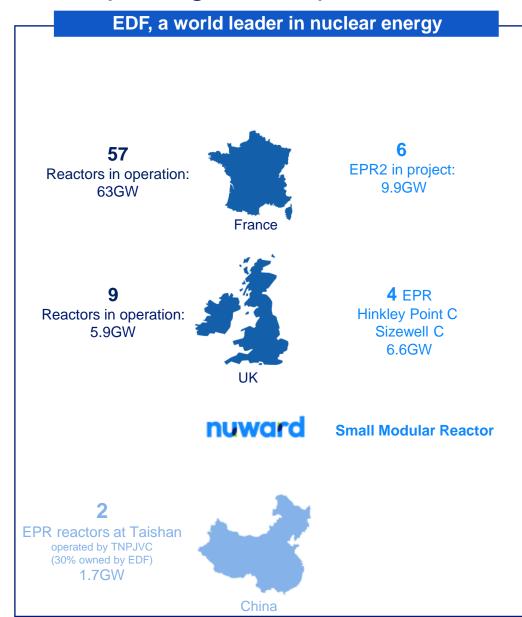
Since the Paris Agreement, EDF developed its actions and commitments dedicated to climate: committing to its direct and indirect emissions, developing its governance and keeping its leader position in CDP Climate.



- (1) Vs 2017; (2) Vs 2019.
- (3) Expressed by: almost zero direct emissions (Scope 1), decrease in the indirect emissions as important as possible (Scope 3), contribution of the residual emissions through negative emission projects (3 scopes).
- (4) Transition pathway initiative
- (5) Net Zero Assessment report.



EDF: unique & global expertise and know-how in the nuclear industry



EDF manages the entire lifecycle of nuclear generation facilities: design, operation and decommissioning

EDF and its subsidiaries **Framatome**, **Edvance**, **Arabelle Solutions** have engineering teams to develop projects in France and abroad and to operate the fleet:

Construction of new reactors:

- > In France: Flamanville 3 EPR connected in 2024, project of 6 EPR2 and studies for additional 8 EPR2
- ➤ In the UK: construction of 2 Hinkley Point C EPR with a Contract for Difference, development of Sizewell C with a Regulated Asset Base funding
- ▶ Development of a type of SMR, Nuward ™
- > Offers for the development or construction of projects: engineering and procurement for 6 EPR (10GW) to be built by NPCIL at Jaitapur in India

<u>Extension of the life of the reactors in France beyond 40 years</u> with constant focus on the safety standard through the "*Grand Carénage*" programme

<u>Decomissioning</u> of nuclear power plants with the subsidiary Cyclife and <u>radioactive waste</u> <u>treatment</u>

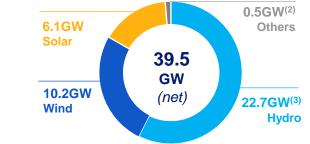
eDF

EDF: a European leading player in renewable energies

Installed capacity: 39.5GW net(1)

A diversified mix with 39.5GW in operation

- 22.7GW of hydropower
- 16.3GW of wind and solar
- **0.5GW others** (biomass and geothermal)



Hydropower

- Leading European producer of hydropower
- More than 400 production sites worldwide

A global leader in wind and solar energy

- 3.2GW gross commissioned in 2024
- 8.6GW gross under construction (1.9GW in onshore wind, 0.7GW in offshore wind, 6.0GW in solar)

Capacity by geography:

Capacity by sector:



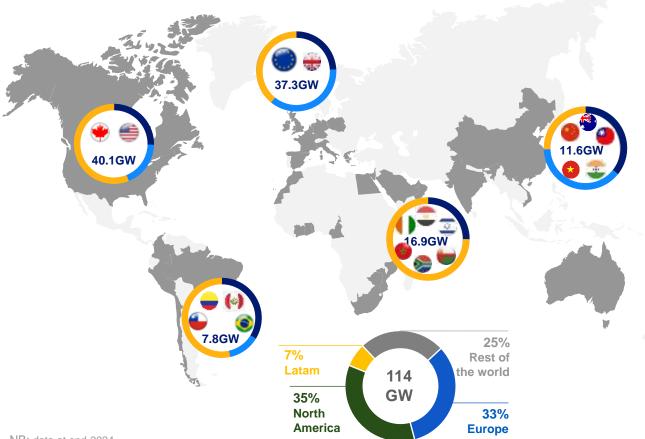
NB: data at end-2024.

- (1) Installed capacity shown as net, corresponding to the consolidated data based on EDF's participation in Group companies, including investments in affiliates and joint ventures.
- (2) Biomass and geothermal.
- (3) Including sea energy: 0.24GW.



A portfolio of wind and solar projects of 114GW gross⁽¹⁾

A geographically diversified portfolio

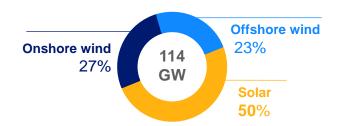


NB: data at end-2024.

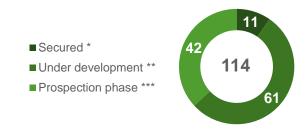
- (1) Excluding capacities under construction. Gross data corresponding to 100% of the capacity of the project.
- (2) Projects in prospection phase are included in the pipeline.
- (3) Not probability-based.

eDF

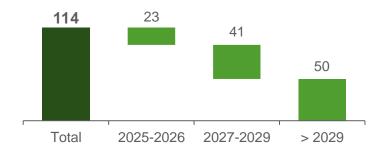
Balanced between wind and solar



Breakdown by development phase (2) (in GW)



Breakdown by date of start of construction (in GW)(3)



- Securing a power purchase agreement (following call for tenders, auction, OTC negotiation)
- ** Sufficient land securisation and start of technical studies
- *** Start of land identification and preliminary studies

13

Supply of electricity, gas and heat to 41.5m customers at end-2024

Electricity
34.9m customers

Gas

6.6m customers



United Kingdom: EDF Energy

3.1m electricity customers2.2m gas customers

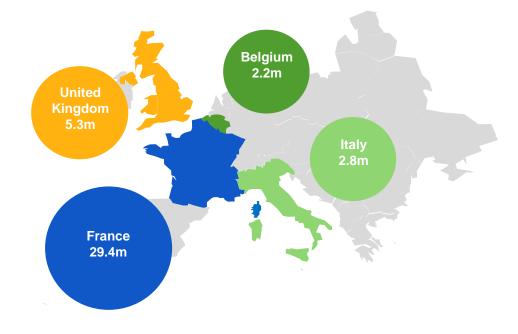
45.0TWh sales of electricity sold **27.1TWh** sales of gas

5.8m residential customers accounts

Highly competitive market with

~16 suppliers

9.7% market share on all its accounts





France: EDF (incl. ÉS)

Nearly **26.8m** electricity customers More than **2.6m** gas customers

217.1TWh electricity sold to customers **51.5TWh** gas sold to customer

France: SEI (in non-interconnected zones)

1.3m electricity customers

9.9TWh electricity sold to customers

France: Dalkia (excluding speciality subsidiaries)

22.2TWh sold

19.5TWh for the heating and cooling segment2.7TWh for the electricity segment

21.5m customers



Belgium: Luminus

The second largest player in the Belgian energy market. ~25% market share

1.4m electricity customers0.8m gas customers

12.7TWh electricity sold14TWh gas sold

12.5TWh B2C - 14;3TWh B2B



Italy: Edison

2.8m industrial, residential and SME commodity customers (2.97m commodity and Value-Added Services contracts (+37.9% vs.2023)

15.4TWh electricity sold (end customers) +11.9%

5.8bcm gas sold (residential and industrial uses) +12.1%

N.B. The customer portfolio consists of electricity, gas and recurring service contracts

France: regulated activities (Enedis, Electricité de Strasbourg & island activities)

Enedis

- The largest distribution grid in Europe and the main distribution grid in France connecting 95% of the metropolitan population with the monopoly on 356 concession contracts
- · A regulated business model: Enedis' revenues has defined by the TURPE tariff
- €96bn net investments planned over the period 2023-2040 to support the energy transition dedicated to the resilience of the network and its development to new renewable capacity and EV charging capacity

(see_p.77)

Key figures:

- €4.5bn: EBITDA
- 38.8m customers (o/w 28.9m EDF)
- Net investments (€5.3bn in 2024)
- Headcount (~41k)
- 1.4m km electric network

Island Activities

Integrated business model including generation, electricity purchases, distribution (via concessions) and supply at the regulated tariff

- Capacity 2.0GW⁽¹⁾ (fuel 78%, hydropower and other EnR 22%)
- Electricity generation 6.0TWh⁽¹⁾ (fuel 82%, hydropower and other EnR 18%)
- 1.3m of customers (electricity)
- Decarbonization of the fleet: start of work on the Ricanto liquid biomass power plant (130MW - France), replacing the Vazzio thermal power plant

(see <u>p.82</u>)

Électricité de Strasbourg

- Electricity distribution (16,000km electric network)
- Energy supply to 0.58m customers (electricity) & 0.11m customers (gas and biogas), energy services, renewable energy generation

(see <u>p.82</u>)



(1) Fully consolidated data as of 31/12/2024.



15



2024 annual results



2024 financial results: stabilisation of the net financial debt

In billions of euros	2023	2024	Organic variation
Sales	139.7	118.7	-15.7%
EBITDA	39.9	36.5	-8.4%
EBIT	13.2	18.3	+43.0%
Net income excl. non-recurring items	18.5	15.2	-15.8%
Net income - Group share	10.0	11.4	+17.1%

Net financial debt (NFD)

€54.3bn

vs €54.4bn at end-2023

Adjusted economic debt (AED)⁽¹⁾

€87.7bn

vs 86.3bn€ at end-2023

NFD / EBITDA ratio

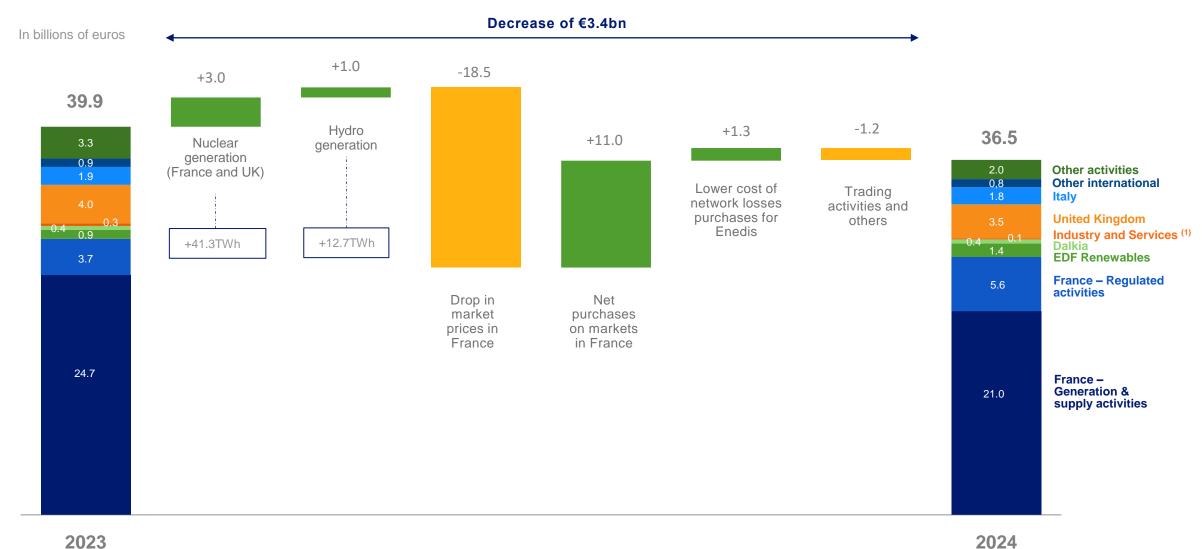
1.49x

AED / adjusted EBITDA ratio

2.73x



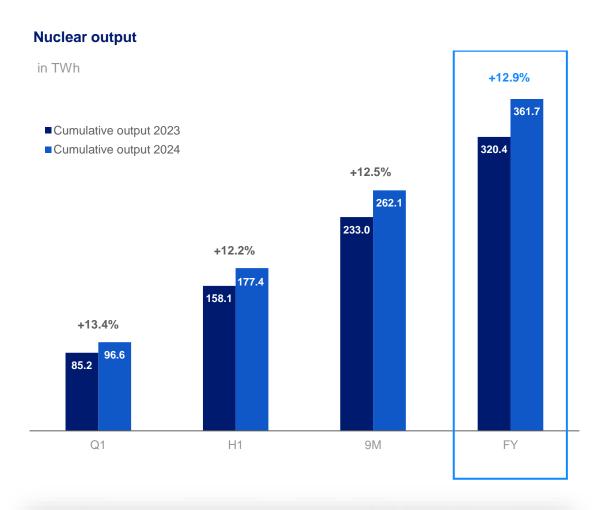
EBITDA: excellent operational performance and effects of lower market prices





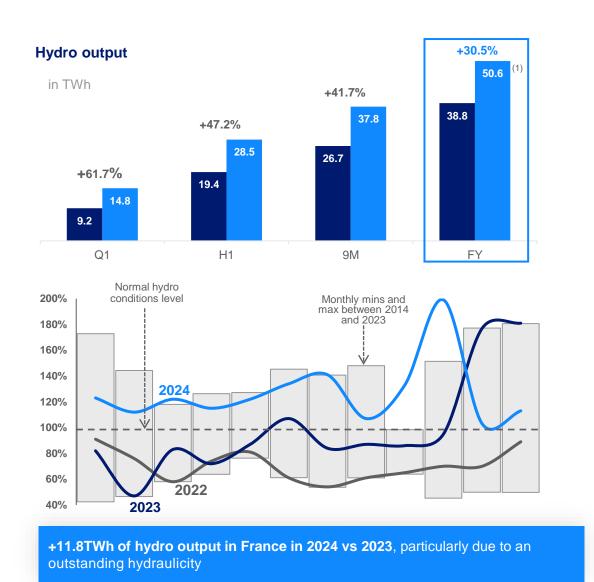
2024

Strong increase of the nuclear and hydro output in France



+41.3TWh of nuclear output in France in 2024 vs 2023, mainly thanks to optimised reactor outages under the START 2025 programme and industrial control of stress corrosion treatments



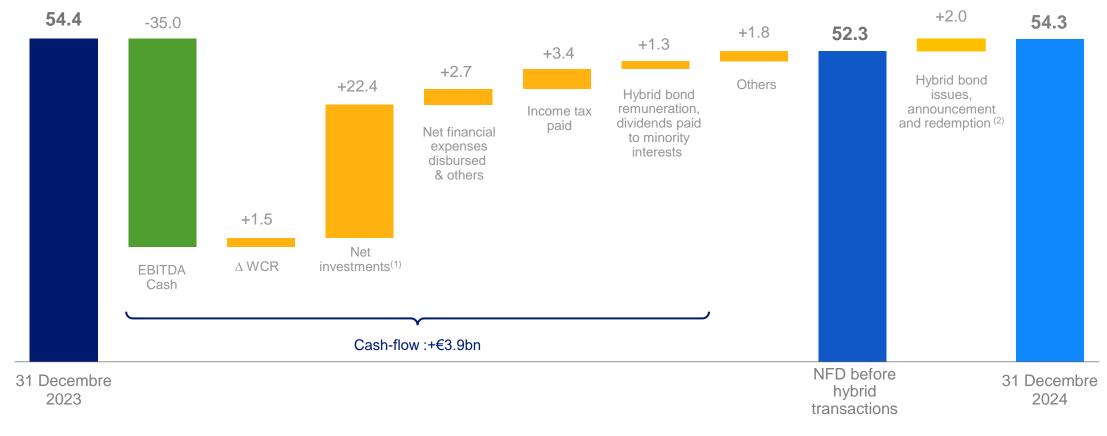


(1) Production after pumping deduction: 33.0TWh in 2023 / 42.9TWh in 2024

19

Stabilisation of the net financial debt

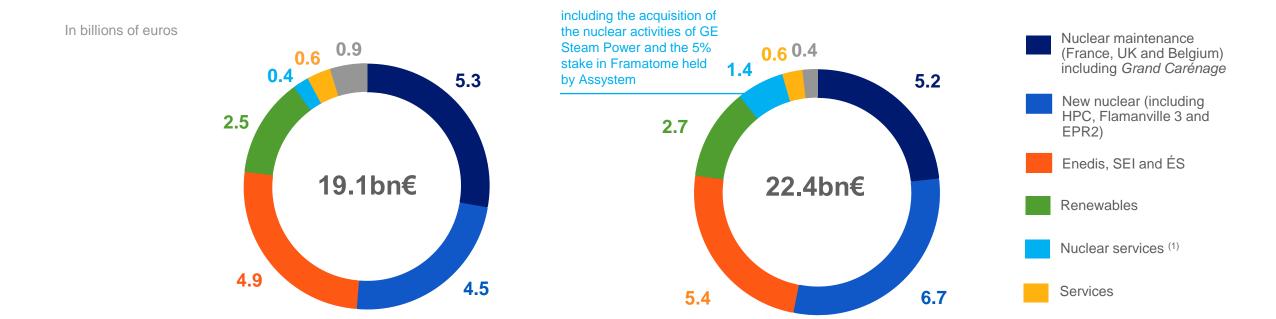
In billions of euros



- (1) Net investments excluding Group disposals.
 - 2) Announcement of redemption on 18 December 2024 of the hybrid bond issued in January 2013 for a nominal amount of €1.25bn reclassified from equity to other financial debts.



Increase in net investments in coherence with the strategic objectives of the Group



In 2024 almost 94% of the Group's investments are made in accordance with its net zero emission target

2023



EDF GROUP April 2025

2024

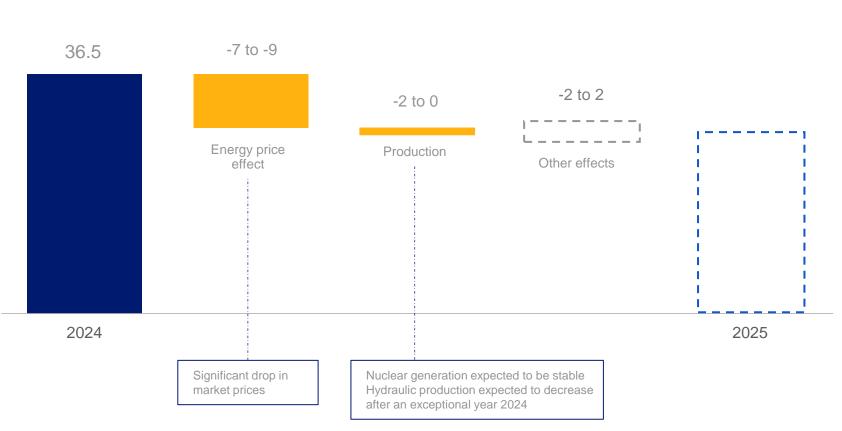
Others (2)

⁽¹⁾ Framatome and Arabelle Solutions since June 2024.

⁽²⁾ Including central functions, property, gas and fuel.

Projection of 2025 EBITDA

In billions of euros







2027 targets

Net financial debt / EBITDA⁽¹⁾

≤ **2.5**X

Adjusted economic debt / Adjusted EBITDA⁽¹⁾⁽²⁾

≤ **4**x



⁽²⁾ As per current S&P methodology on the ratio.





Financing and liquidity



Stabilisation of the net financial debt

In millions of euros	31/12/2023	31/12/2024
Financial debt	86,647	81,802
Derivatives used to hedge debts	(1,379)	(1,872)
Cash and cash equivalents	(10,775)	(7,597)
Debt and equity securities (liquid assets)	(20,077)	(17,999)
Asset coverage derivatives	(35)	12
Net financial debt ⁽¹⁾ o/w green financial debt	54,381 ⁽²⁾ 9,322	54,346 ⁽³⁾ 19,802

⁽³⁾ Including €1,250M hybrid notes announced to be redeemed on 29/01/2025 (see press release of 18/12/2024)



⁽¹⁾ After application of IFRS 16.

⁽²⁾ Including €539M (\$596M) hybrid notes announced to be redeemed on 22/01/2024 (see press release of 14/12/2023).

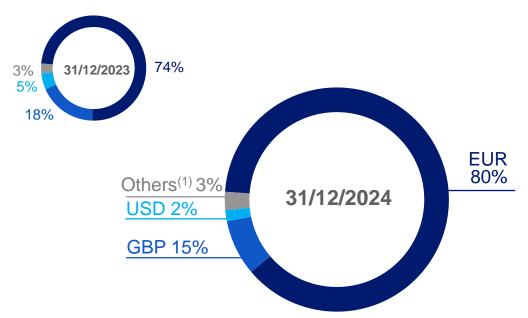
Gross debt

	31/12/2023	31/12/2024	Δ
Average maturity of gross debtAverage coupon	11.0 years	13.0 years	+2.0 years
	4.11%	3.85%	-0.26%

Breakdown by type of rate after swaps



Breakdown by currency after swaps



(1) Mainly JPY, CAD, CHF and BRL.



26

High level of liquidity

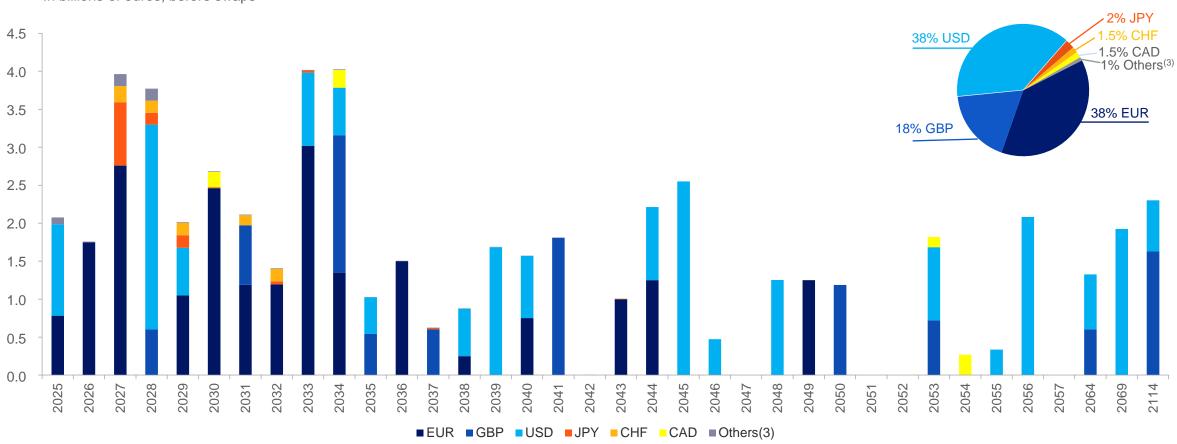
In billions of euros	31/12/2023	31/12/2024
Cash and cash equivalents	10.8	7.6
Liquid assets	20.1	18.0
Unused credit lines (off-balance sheet)	15.8	14.3
Gross liquidity	46.7	39.9
Financial debt – current part (maturing within one year)	(18.9)	(12.9)
Net liquidity	27.8	27.0



Focus on bonds⁽¹⁾



In billions of euros, before swaps



- (1) Nominal amounts only.
- (2) €56.9bn vs €54.1bn in note 18 of the 2024 consolidated financial statement that includes accrued interests and depreciation.
- (3) Mainly HKD, NOK and BRL.

28

Stock of bonds as of 31/12/2024:

€56.9bn⁽²⁾

Green financing: allocation of the proceeds

Issue date	Instrument	Maturity	Nominal amount	New renewable capacities	Investments in hydro facilities	Biodiversity projects	Distribution of electricity projects ⁽¹⁾	Existing French nuclear reactors ⁽²⁾
Nov. 2013	Bond	7.5Y	1,400M€	1,400	-	-	-	-
Oct. 2015	Bond	10Y	1,250M\$	1,250	-	-	-	-
Oct. 2016	Bond	10Y	1,750M€	1,248	502	-	-	-
Jan. 2017	Bond	12Y-15Y	26,000M¥	14,021	11,979	-	-	-
Sept. 2020	Bond	4Y	2,400M€	2,421	110	28	-	-
Nov. 2021	Bond	12Y	1,850M€	1,594	189	23	-	-
Oct. 2022	Bond	12	1,250M€	-	-	-	1,250	-
Jul-2023	REPO	Evergreen	565M€	-	-	-	565	-
Aug-2023	Bond	4Y–8Y	325MCHF	-	-	-	325	-
Nov. 2023	Bond	3.5Y	1,000M€	-	-	-	-	1,000
May-July 2024	Bank loans	3Y-5Y	6,185M€	-	-	-	-	6,185
2024	NeuCP (3)	5,5M	412M€	36	371	5	-	-
Jun. 2024	Bond	7Y - 12Y - 20Y	3,000M€	750	-	-	97 ⁽⁴⁾	1,000
Sept. 2024	Bond	5Y-8Y	310MCHF	310	-	-	-	-
Sept. 2024	Hybrid bond	NC5-NC8	1,150M€	-	-	-	-	1,150
Sept. 2024	Hybrid bond	NC11	500M£	-	-	-	-	500

⁽¹⁾ Connection of renewable capacity & of smart meters, new grid lines built.

^{(4) 97}M€ have financed 2023 Enedis capex, the 1,153M€ remaining are invested in SRI funds at end-2024



⁽²⁾ In relation to their lifetime extension

⁽³⁾ Allocation of the maximum amount issued during 2024

Green financing: proceeds allocation and impact reporting

Technology	Total amount (in EUR eq.)	Total net (1) capacity of financed projects (in MW)	Expected net (1) avoided CO ₂ emissions (in Mt/year)
Onshore wind projects	4,751	3,587	4.31
Offshore wind projects	1,227	399	0.58
Solar projects	2,953	2,602	1.75
Hydro facilities	1,245	1,599	0.0
Incl. biodiversity projects	56	N/A	-
Nuclear: Existing French nuclear reactors in relation to their lifetime extension	9,927	N/A	6.05

Technology	Total amount (in EUR)	Renewable capacity connected (in MW)	VE charging station connected	New grid lines built (in km)
Distribution of electricity projects (2)	2,210	12,419	32,126	5,907

The detailed list of EDF Renewables projects and hydraulic investment operations by category will be published in EDF 2024 URD.



⁽¹⁾ Sum of the impacts of each project weighted by the share of total investment funded by the corresponding Green Bond.

⁽²⁾ Impact reporting based on KPIs of Enedis on 2021 to 2023

Focus on hybrids securities

Hybrid bond issues

Hybrid bond issues contribute to strengthening the balance sheet through their qualification as equity under IFRS and 50/50 as debt and equity by rating agencies

EDF has exercised its option to redeem the hybrid notes issued on 4 October 2018 for a nominal amount of €1,250m on 5 July 2024. The equity content resulting from the conversion of the Oceane bonds in 2023 was used to avoid refinancing half of its nominal amount⁽¹⁾

On 18 December 2024, EDF announced its intention to exercise its option to redeem the hybrid notes issued on 29 January 2013 for a nominal amount of €1,250m and to use the equity content resulting from the conversion of the Oceane bonds in 2023 to avoid having to refinance half of the nominal amount⁽²⁾.

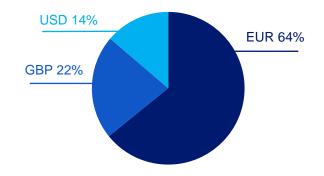
Hybrid securities stock at 31 December 2024

Total amount: €10.0bn⁽¹⁾

Average tenor: 4.87 years

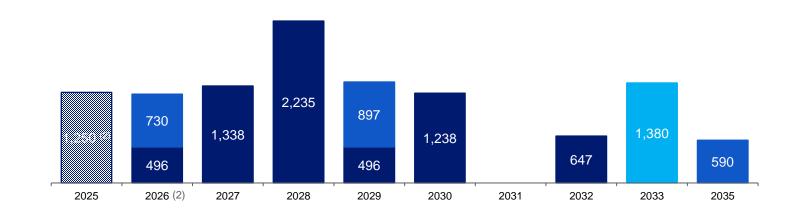
Average cost: 5.38%

Hybrids stock breakdown by currency



Hybrid debt maturity schedule based on first call date

(in millions of euros)

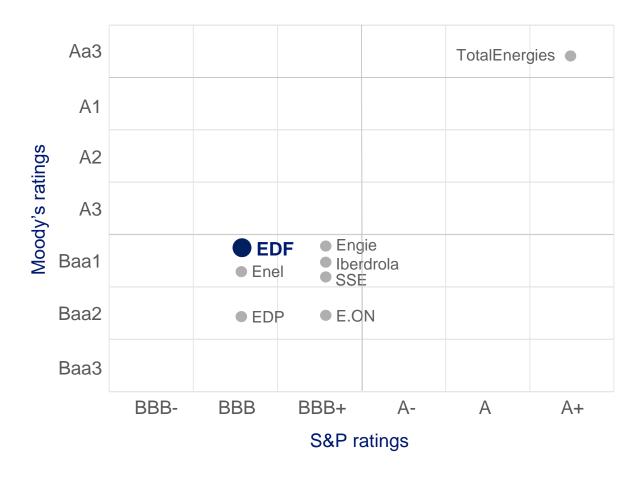


- (1) Exchange rate as of transaction time
- (2) See press release on 18 December 2024.



Comparative credit ratings⁽¹⁾

Rating Agency	* cedf	Latest changes
S&P Global Ratings	BBB Positive	5 June 2024 Outlook revised to Positive from Stable
Moody's	Baa1 Stable	1 June 2023 Outlook revised to Stable from Negative (confirmed on 16 December 2024)
FitchRatings	BBB+ Negative	28 October 2024 Outlook revised to Negative from Stable



Sources: rating agencies as of 20/02/2025.

(1) See EDF's ratings





Appendices





Electricity output

Fully consolidated entities

(in TWh)	2023		2	2024
Nuclear	363.4	78%	404.2	78%
Total Renewables	70.8	15%	86.1	17%
Hydro ⁽¹⁾	42.8	60%	55.5	64%
Wind	23.5	33%	23.7	28%
Solar	3.2	5%	4.8	6%
Biomass	1.4	2%	2.2	3%
Gas	28.5	6%	25.6	5%
Fuel oil	4.6	1%	4.1	0.8%
Coal	0.2	0.05%	0.2	0.04%
Group	467.6	100%	520.3	100%

⁽¹⁾ Hydro output includes tidal energy for 519GWh in 2024 and 504GWh in 2023. Production after deduction of pumped volumes is 47.8TWh in 2024 and 37.0TWh in 2023.



34

CO₂ emissions and carbon intensity⁽¹⁾

Fully consolidated entities

Heat and power generation by segment	Emissions (in kt CO ₂)				Carbon intensity (in gCO ₂ /kWh ⁽⁴⁾)		
	2023		20	024	2023	2024	
France – Generation and supply activities	2,901	16%	1,315	8%	8	3	
France – Regulated activities ⁽²⁾	2,917	16%	2,792	17%	469	453	
Dalkia	3,588	20%	3,188	20%	147	135	
United Kingdom	4	0%	0	0%	0	0	
Italy	6,263	34%	6,053	38%	302	262	
Other international	2,547	14%	2,714	17%	182	198	
Group ⁽³⁾	18,249	100%	16,096	100%	37	30	

⁽⁴⁾ Carbon intensity corresponds to CO₂ emissions in relation to the Group's electricity and heat generation. The EDF Group's heat generation amounts to 23.8TWh in 2024 (vs 23.7TWh in 2023).



35

⁽¹⁾ Including direct CO₂ emissions (excluding life cycle analysis of fuel, production means and other CO₂-equivalent gas emissions). The other CO₂-equivalent gas emissions are included in the scope 1 calculation.

⁽²⁾ Power generation in non-interconnected zones corresponding to overseas departments and Corsica - (mainly island territories) and Electricité de Strasbourg (ES).

⁽³⁾ Framatome and Arabelle Solutions contribute to 33ktCO₂ in 2024 and 29ktCO₂ in 2023, The direct CO₂ emissions from "Other activities" segment are not significant compared to Group total emissions and are not disclosed in this table.

Installed capacity at end-2024

(in GW)	Total net capacity of EDF Group, including shares in associates and joint ventures	Consolidated capacity of EDF Group	
Nuclear ⁽¹⁾	67.8	67.9	57%
Hydro ⁽²⁾	22.7	21.6	18%
Other renewables ⁽³⁾	16.8	13.3	11%
Gas	11.6	11.8	10%
Fuel oil	3.2	3.1	3%
Coal	3.0	1.2	1%
Total	125.0	118.8	00%

⁽³⁾ Including wind, solar, biomass and geothermal.



⁽¹⁾ This capacity does not include the EPR reactor of Flamanville 3

⁽²⁾ Including sea energy: 0.24GW in 2024.

Renewables: installed capacity and capacity under construction

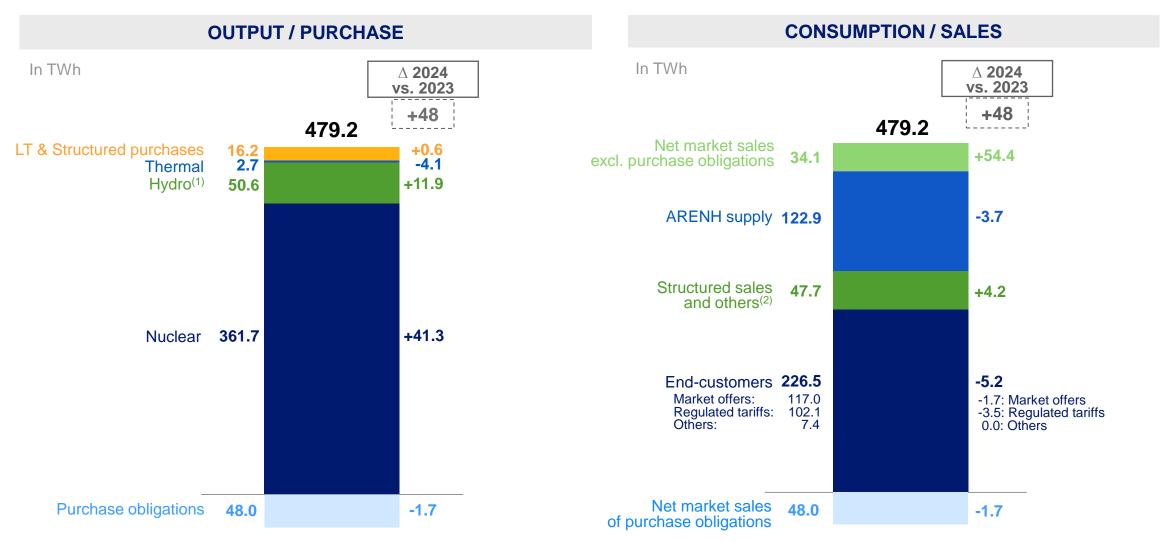
(in 1/1/1)	Gros	ss ⁽¹⁾	N	et ⁽²⁾	
(in MW)	31/12/2023	31/12/2024	31/12/2023	31/12/2024	
Wind	2,685	2,538	1,591	1,528	
Solar	3,728	6,039	2,617	2,595	
Capacity under construction	6,413	8,577	4,209	4,123	
Onshore wind	13,244	13,169	9,342	9,404	
Offshore wind	1,621	2,148	581	807	
Solar	9,425	11,444	4,734	6,066	
Wind & Solar installed capacity	24,289	26,762	14,657	16,277	
Biomass and geothermal	-	-	440	481	
Renewable (excl. hydro) installed capacity	-	-	15,097	16,758	
Hydro	-	-	22,571	22,740	
Renewable installed capacity	-	-	37,668	39,498	

⁽¹⁾ Gross capacity: total capacity of the facilities in which EDF has a stake.

²⁾ Net capacity: capacity corresponding to EDF's stake.



France: upstream / downstream electricity balance



NB: EDF excluding French islands electrical activities.

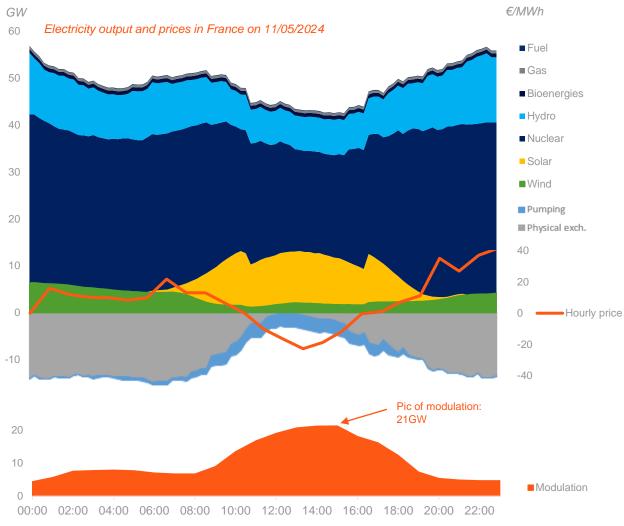
⁽²⁾ Including hydro pumped volumes of 7.7TWh in 2024 / 5.7TWh in 2023.



⁽¹⁾ Hydro output after deduction of pumped volumes represents 42.9TWh in 2024 / 33.0TWh in 2023.

Developing flexibility solutions to meet the needs of the power system

Need of development of flexibility to cope with the system instability



Renewable energy intermittency entails:

- high price volatility: in 2024, 1,366 hours, i.e. more than 15% of the time with hourly prices < 10 €/MWh (vs 500 hours, i.e more than 5% in 2023)
- high system instability through the day which leads to modulation of nuclear: for instance, 22 reactors have modulated on 11/05/2024

Progression in flexibility offers for customers

+18% vs end-2023, i.e. 2.1GW of capacity in flexibility offers to customers in the G4 countries (1)

Decarbonisation of flexible thermal plants

Start of the works at the **Ricanto liquid biomass plant** (130MW – France), to replace the Vazzio thermal plant

Inauguration of the ${\bf Presenzano}$ CCG plant (800MW - Italy) with 30% lower ${\bf CO_2}$ emissions, and a turbine ready to run on hydrogen

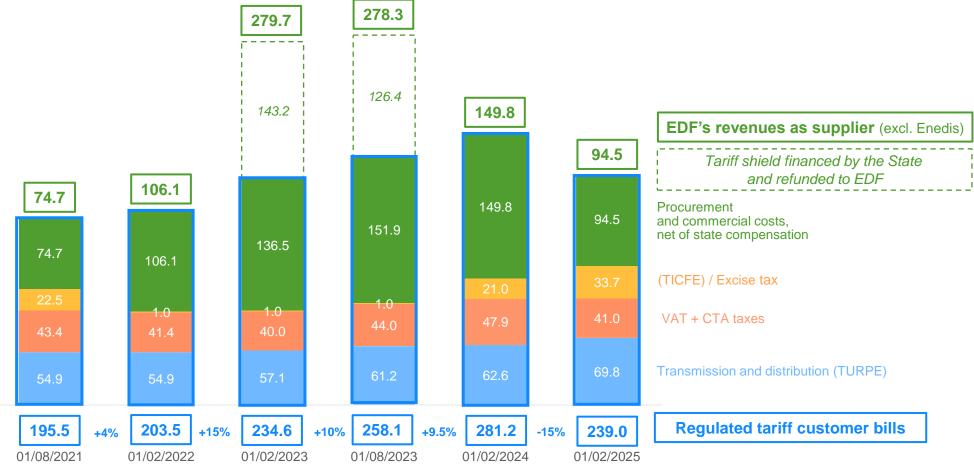


Source: RTE and EPEX

Change in regulated sales tariffs in France

Composition of the average bill including VAT⁽¹⁾

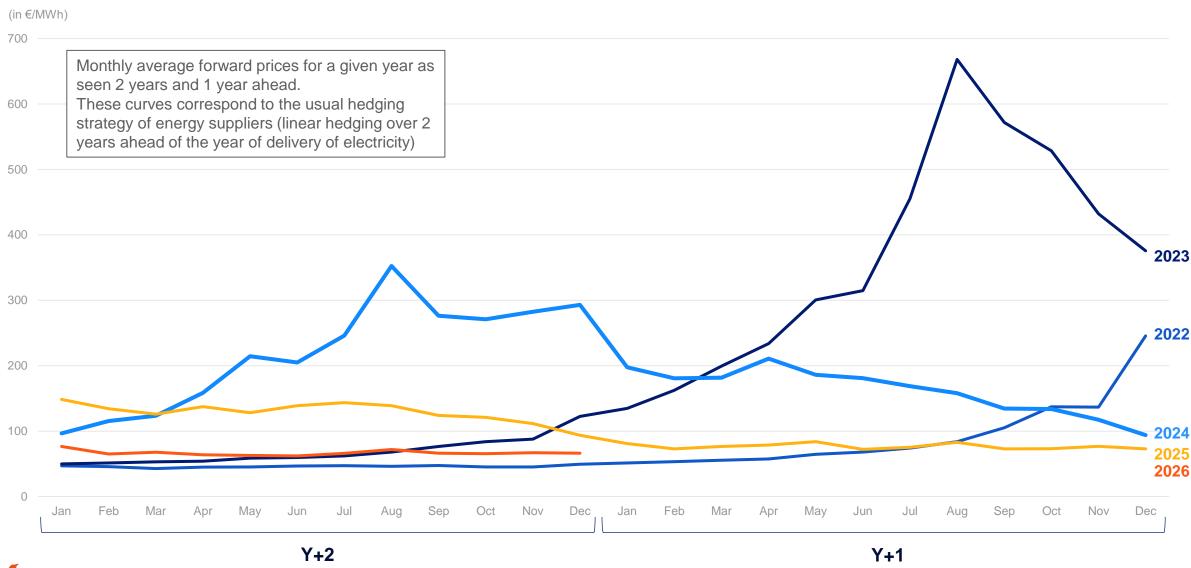




⁽¹⁾ Due to rounding, the total is not strictly equal to the sum of the components.

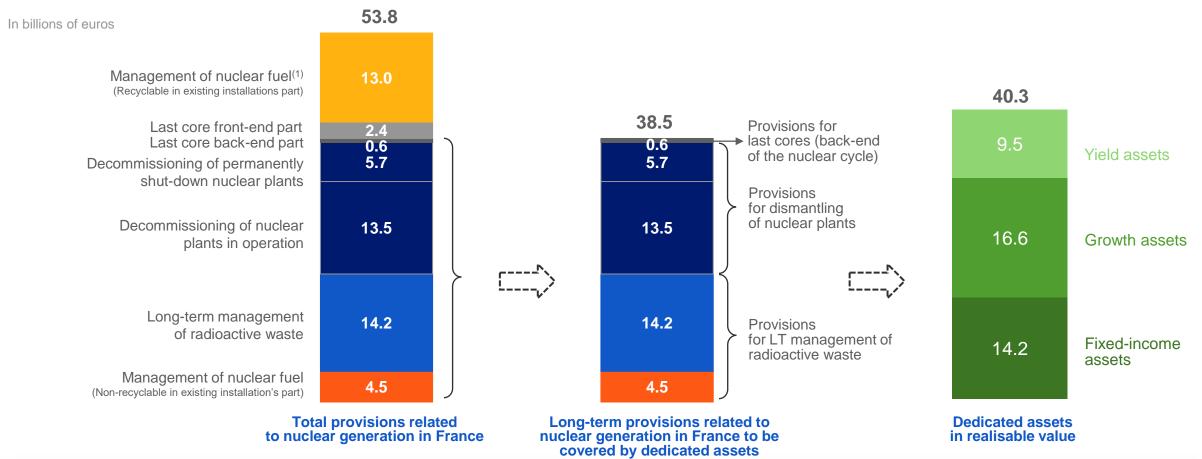


Y+2 & Y+1 electricity forward prices in France for delivery years 2022 to 2026





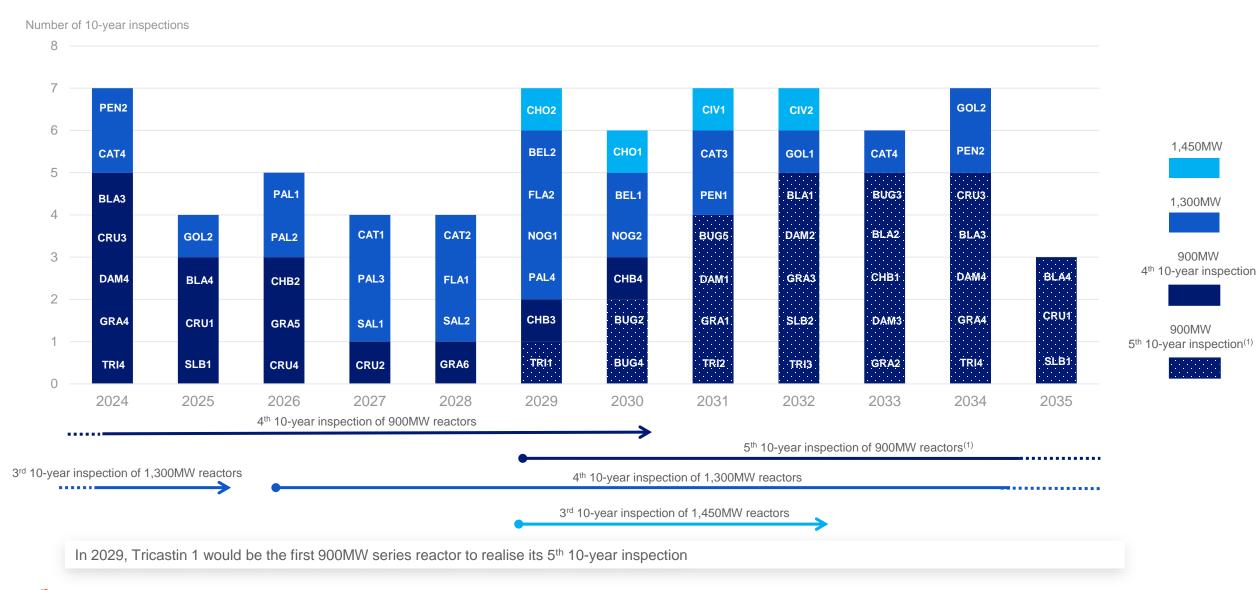
Provisions related to nuclear generation in France and part to be covered by dedicated assets



- (1) Related to the operating cycle.
- At 31 December 2024, the regulatory coverage is 104,7% (vs 108.5% at 31 December 2023)
- No allocation to dedicated assets to be made in 2025 in respect of 2024 owing to a coverage rate of over 100% at end of year, in accordance with the regulation



10-year inspections of the nuclear fleet in France

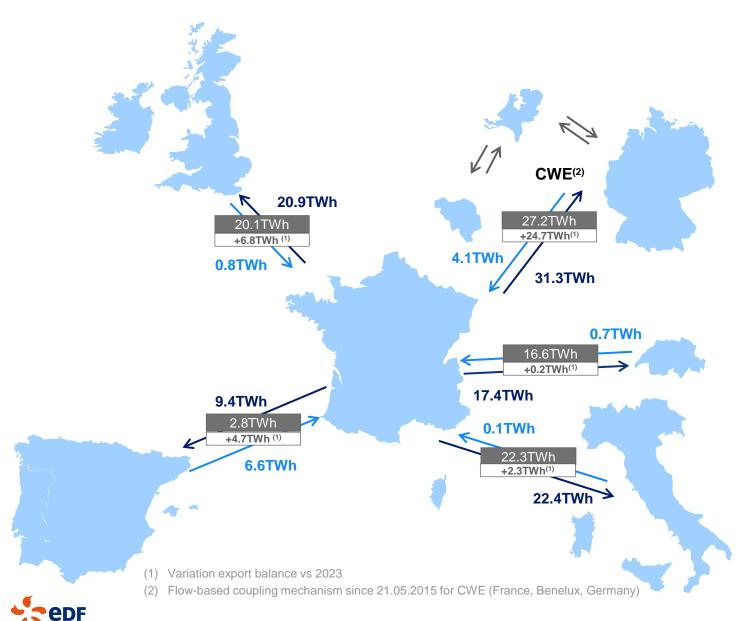




NB: forecast data at end-2024.

⁽¹⁾ Subject to decisions taken and authorisations issue

France export balance in 2024



Export balance France: 89.0TWh

(balance in 2023: 50.3TWh)

Exports: 101.2TWh (74.8TWh in 2023)

Imports: 12.2TWh (24.5TWh in 2023)

The rise in electricity generation to 536.5TWh and the level in demand at 437.2TWh led to higher exports (+35% vs 2023) and lower imports (-50% vs 2023)

NB: Data extracted the 02/01/2025 - source: RTE.

44