

# Quarterly Financial Information at 31 March 2018 Sales up 3.0%<sup>1</sup> 2018 targets confirmed

# Key figures

Group sales		€20.4bn +3.0% org.¹
Electricity Output		
Nuclear France:	112.9TWh	+4.1%
Nuclear United Kingdom:	15.1TWh	-5.6%
Group Renewables:	20.6TWh	+31.4%
of which Hydropower Franc	<i>e</i> ²: 14.6TWh	+35.2%

# Highlights

### • Improved generation in France

- Nuclear output up 4.4TWh benefiting from improved availability of the fleet. Performance consistent with the assumption of nuclear output greater than 395TWh in 2018.
- Hydropower output in France<sup>2</sup> up by more than 35% in a context of more favourable hydro conditions.

### • New developments in renewable energies

- Launch of the Electricity Storage Plan with the goal of commissioning an additional 10GW by 2035.
- Acquisition of the "Neart na Gaoithe" offshore wind power project in Scotland (450MW).
- Inauguration of 200MW of solar capacity in the Emirate of Dubai, the first unit of the DEWA III (800MW) plant, a joint project between EDF, Masdar and DEWA.
- Award of a Power Purchase Agreement (PPA) for a 114MW wind energy project in Brazil.

### Client solutions & services

- Completion of the acquisition of Gas Natural Fenosa Vendita Italia by Edison: increase in the customer base by *circa* +50%.
- Acquisition by Dalkia of 25% of Tiru (specialist in waste recovery). Dalkia is now the sole shareholder of Tiru.

### New Nuclear build

- Jaitapur: Industrial Way Forward Agreement signed for 6 EPRs (almost 10GW) in India. EDF will participate as the supplier of the EPR technology.
- Taishan 1: start of fuel loading on 10 April 2018.
- Flamanville 3: detection of quality deviations on the welding of the pipes of the secondary coolant system. Additional controls on the welds and report currently underway.

(	Operating expenses <sup>3</sup> :	€0.8bn compared to 2015
	• EBITDA <sup>4</sup> :	€14.6 - 15.3bn
2018	<ul> <li>Cash flow<sup>4,5</sup> excluding Linky<sup>6</sup>, new developments and 2015-20 disposal plan.</li> </ul>	~0
targets	<ul> <li>Asset<sup>7</sup> disposals since 2015:</li> </ul>	~€10bn
confirmed	• Total net investments excluding acquisitions and 2015-20 assets disposal plan:	<b>≤</b> €15bn
	of which Net investments excluding Linky <sup>6</sup> , new developments and 2015-20 assets disposal plan	n: ~€11bn
	<ul> <li>Net financial debt/EBITDA<sup>4</sup>:</li> </ul>	≤2.7x
	<ul> <li>Target payout ratio of Net income excluding non-recurring items<sup>8</sup>:</li> </ul>	50%

<sup>&</sup>lt;sup>1</sup> Organic change at comparable scope and exchange rates

<sup>7</sup> Disposals signed or realised

<sup>&</sup>lt;sup>2</sup> Hydropower excluding French islands electrical activities

<sup>&</sup>lt;sup>3</sup> Sum of personnel expenses and other external expenses. At comparable consolidation scope and exchange rates. At constant pension discount rates. Excluding change in operating expenses of the service activities

<sup>&</sup>lt;sup>4</sup> At comparable exchange rates and "normal" weather conditions, on the basis of a nuclear output in France assumption of >395TWh. At constant pensions discount rates

<sup>&</sup>lt;sup>5</sup> Excluding eventual interim dividend for the 2018 fiscal year

<sup>&</sup>lt;sup>6</sup> Linky is a project led by Enedis, an independent EDF subsidiary as defined in the French Energy Code

<sup>&</sup>lt;sup>8</sup> Adjusted for the remuneration of hybrid bonds accounted for in equity



Change	in	EDF	group	sales
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(in millions of Euros)	Q1 2017 published	Q1 2017 restated <sup>9</sup>	Q1 2018	%	% organic
France - Generation and supply activities	11,354	7,944	7,956	+0.2	+0.2
France - Regulated activities	4,862	4,842	5,167	+6.7	+6.7
EDF Énergies Nouvelles	306	306	379	+23.9	+14.7
Dalkia	1,222	1,132	1,223	+8.0	+4.0
Framatome	-	-	721	-	-
United Kingdom	2,568	2,568	2,577	+0.4	+1.9
Italy	2,797	2,148	2,252	+4.8	+3.5
Other international	1,467	979	666	-32.0	+0.9
Other activities	625	632	751	+18.8	+16.9
Inter-segment eliminations	(4,073)	(842)	(1,246)	+48.0	+9.6
Total Group	21,128	19,709	20,446	+3.7	+3.0

The Group's first quarter 2018 sales amounted to €20.4 billion, an organic increase of 3.0% compared to the first quarter 2017.

This increase is mainly driven by the France - Regulated activities segment, in line with the tariff changes, and the performance of EDF Trading, which benefited from an improved volatility and price environment linked to weather conditions in Europe and North America.

Sales in France - Generation and supply activities were relatively stable. The higher hydropower and nuclear output and the improvement in the price conditions were neutral on sales due to a net buying position (in euros) on the wholesale markets in the first quarter of 2018, as in the first quarter of 2017.

<sup>&</sup>lt;sup>9</sup> 2017 data restated for the impact of the IFRS 15 standard and the change in segment reporting (IFRS 8)



# Change in Group sales by segment

## France – Generation and supply activities

(in millions of Euros)	Q1 2017 <sup>10</sup>	Q1 2018	% organic
France - Generation and supply activities	7,944	7,956	+0.2

Sales in France - Generation and supply activities in the first quarter of 2018 amounted to €8.0 billion, up 0.2% in organic terms compared to the first quarter of 2017.

Nuclear output amounted to 112.9TWh, an increase of 4.4TWh over the first quarter of 2017. This improvement can be explained by the better availability of the fleet at the beginning of the year compared to the first quarter of 2017, which was marked by several reactor outages linked to the manufacturing records at the Creusot Forge plant and by the "carbon segregation" issue. This performance is consistent with the assumption of a nuclear output greater than 395TWh in 2018. Hydropower output<sup>11</sup> stood at 14.6TWh, up 35.2% (+3.8TWh) compared to the first quarter of 2017, thanks to more favourable hydro conditions. The higher hydropower and nuclear output and the improvement in the price conditions were neutral on sales due to a net buying position (in euros) on the wholesale markets in the first quarter of 2017.

The weather had a favourable effect, particularly in February and March 2018, with a positive impact of an estimated €94 million (+2.1TWh) compared to the first quarter of 2017.

Changes in the regulated sales tariffs<sup>12</sup>, for the part excluding the delivery component, had a negative impact of around €20 million.

The downstream market conditions had a positive effect of an estimated €58 million. The negative impacts of the decline in sales to end customers were more than offset by favourable price effects, related notably to changes in the portfolio structure.

In addition, non-recurring items recorded in 2017 and without equivalent in 2018 weighed on sales for an estimated -€120 million.

<sup>&</sup>lt;sup>10</sup> 2017 data restated for the impact of the IFRS 15 standard and the change in segment reporting (IFRS 8)

<sup>&</sup>lt;sup>11</sup> Hydropower, excluding French islands electrical activities before deduction of pumped volumes. For information, after deduction of pumped-storage hydropower volumes: 8.9TWh in Q1 2017 and 12.8TWh in Q1 2018

<sup>&</sup>lt;sup>12</sup> Tariff changes of +1.7% for Blue residential and non-residential categories on 01/08/2017, and +0.7% and +1.6% for Blue residential and non-residential categories respectively on 01/02/18. It should be noted that, with the application of IFRS15, the impact of the tariff increases for this segment is now presented excluding the evolution of the delivery component of the tariff, also presented in France - Regulated activities (change in the TURPE 5 distribution tariff of +2.7% on 01/08/2017)



## France – Regulated activities

(in millions of Euros)	Q1 2017 <sup>13</sup>	Q1 2018	% organic
France - Regulated activities	4,842	5,167	+6.7

Sales in the France - Regulated activities segment in the first quarter of 2018 amounted to €5.2 billion, up 6.7% in organic terms compared to the first quarter of 2017.

Sales benefited from the positive change in the distribution tariffs<sup>14</sup> for an estimated €124 million and from favourable weather effects for around €90 million.

In addition, price effects related in particular to the change in the portfolio structure had a favourable impact estimated at close to €100 million.

## EDF Énergies Nouvelles

(in millions of Euros)	Q1 2017	Q1 2018	% organic
EDF Énergies Nouvelles	306	379	+14.7

EDF Énergies Nouvelles' contribution to Group sales amounted to  $\notin 0.4$  billion, up 14.7% in organic terms compared to the first quarter of 2017. This change was mainly due to the commissioning in 2017 of wind and solar power projects, which, together with the acquisition of Futuren, contributed to a 25% increase in output (+0.8TWh). Total installed net capacity increased by 24.7% over the first quarter of 2017 to 7.9GW.

Sales also benefited from the increase in distributed solar activities, notably by Grosolar in the United States, in the amount of +€15 million.

Finally, gross portfolio of projects under construction amounted to 1.7GW at the end of the first quarter of 2018.

Total Group Renewables<sup>15</sup> contributed €1.3 billion<sup>16</sup> to Group sales in the first quarter of 2018. This increase was driven by good hydro conditions in France and Italy, by the commissioning of new wind and solar farms in 2017 and by the improvement of wind conditions in Europe.

<sup>&</sup>lt;sup>13</sup> 2017 data restated for the impact of the IFRS 15 standard

<sup>&</sup>lt;sup>14</sup> Increase in TURPE by 2.7% on 1/8/2017

<sup>&</sup>lt;sup>15</sup> Please refer to the appendices of the Q1 2018 (p. 8); Group Renewables includes of EDF Énergies Nouvelles and the Group's hydro generation, as well as the renewable energy activities of EDF Luminus and Edison

<sup>&</sup>lt;sup>16</sup> For the renewable energy generation optimized within a larger portfolio of generation assets, in particular relating to the French hydro fleet after deduction of pumped volumes, sales are estimated based on the valuation of realised output at spot market prices (or at purchase obligation tariff) without taking into account hedging effects, and include if need be the valuation of capacity



## Dalkia

(in millions of Euros)	Q1 2017 <sup>17</sup>	Q1 2018	% organic
Dalkia	1,132	1,223	+4.0

Dalkia's contribution to Group sales amounted to  $\in$ 1.2 billion, an organic increase of 4.0% compared to the first quarter of 2017, mainly due to the favourable evolution of gas and electricity prices and to the commercial expansion performed en 2017.

Sales for Group Energy Services<sup>18</sup> amounted to €1.5 billion, up 11.8% compared to the first quarter of 2017. They benefited notably from the integration of Imtech in the United Kingdom (€92 million) and selective acquisitions in Italy and Belgium.

## Framatome

(in millions of Euros)	Q1 2017	Q1 2018	% organic
Framatome	-	721	-

Framatome's sales amounted to €0.7 billion in the first quarter of 2018, a significant part of which was realised with the Group.

The French Nuclear Safety Authority authorised the resumption of manufacturing of forged parts for the French nuclear fleet at its Creusot site in January 2018.

With the acquisition of Schneider Electric's nuclear Instrumentation & Control (I&C) offering, Framatome is developing its engineering expertise and expanding its portfolio of I&C solutions.

Framatome and Vattenfall signed contracts for the delivery of fuel assembly reloads.

<sup>&</sup>lt;sup>17</sup> 2017 data restated for the impact of the IFRS 15 standard

<sup>&</sup>lt;sup>18</sup> Please refer to the appendices of the Q1 2018 (P. 8); Group Energy Services includes of Dalkia, street lighting, heating networks, decentralised low-carbon generation based on local resources, control of consumption and electric mobility



# United Kingdom

(in millions of Euros)	Q1 2017	Q1 2018	% organic
United Kingdom	2,568	2,577	+1.9

In the United Kingdom, sales were up 1.9%, in organic terms compared to the first quarter of 2017, to €2.6 billion.

Sales benefited from higher electricity residential tariffs, in line with increased supply costs, and higher gas volumes lifted by cold weather in the first quarter of 2018. The residential customer base was down 2% compared to the end of 2017.

Nuclear generation and realised nuclear prices were down. Nuclear output amounted to 15.1TWh, down 0.9TWh compared to the first quarter of 2017, due to the extended outage of Sizewell B into 2018 and the phasing effect from refuelling outages.

(in millions of Euros)	Q1 2017 <sup>19</sup>	Q1 2018	% organic
Italy	2,148	2,252	+3.5

Italy

In Italy, sales amounted to €2.3 billion, up 3.5% in organic terms compared to the first quarter 2017.

Sales in Electricity activities were supported by higher sales volumes in the residential customer segment and by growth in hydro and wind power generation. These items were partially offset by a negative price effect.

Sales increased in Hydrocarbon activities thanks in particular to higher gas volumes sold to residential customers due notably to favourable weather conditions. Exploration-production activities benefited from a positive change in Brent prices and an increase in volumes.

<sup>&</sup>lt;sup>19</sup> 2017 data restated for the impact of the IFRS 15 standard



## Other international

(in millions of Euros)	Q1 2017 <sup>20</sup>	Q1 2018	% organic
Other international	979 <sup>21</sup>	666	+0.9

Sales in the Other international segment amounted to €0.7 billion, up 0.9% in organic terms compared to the first quarter of 2017.

In Belgium, sales amounted to €528 million, up 1.2% in organic terms. This change reflects, in particular, an increase in gas volumes sold, partially offset by the drop in electricity volumes sold, particularly in the business segment, marked by increased competition. Wind power capacities were up +27% compared to the first quarter of 2017 to reach 380MW.

In addition, generation was affected by the extended outages at the Doel 3 and Tihange 3 nuclear power plants; these outages had no impact on first quarter 2018 sales.

In Brazil, sales were up, due to a slightly positive impact of an annual review of the Power Purchase Agreement tariff that took place at the end of 2017.

### Other activities

(in millions of Euros)	Q1 2017 <sup>22</sup>	Q1 2018	% organic
Other activities	632	751	+16.9

Sales in Other activities amounted to €0.8 billion, up 16.9% in organic terms compared to the first quarter of 2017.

EDF Trading's sales amounted to €267 million, up strongly by 110.7% in organic terms. It benefited from favourable price and volatility conditions in Europe and North America due to cold weather during the first quarter of 2018.

<sup>&</sup>lt;sup>20</sup> 2017 data restated for the impact of the IFRS 15 standard

<sup>&</sup>lt;sup>21</sup> 2017 data, including EDF Polska's sales in Poland, sold on 13 November 2017

 $<sup>^{\</sup>rm 22}$  2017 data restated for the change in segment reporting (IFRS 8)



# Main events<sup>23</sup> since the 16 February 2018 press release

## **Major Events**

- EDF detected quality deviations on certain welds of the secondary coolant system of the Flamanville EPR and began additional controls (see press release of 10 April 2018).
- The Vietnamese government confirmed the EDF Group's position as leader of the consortium in charge of the studies for the building of a 2,000 MW combined-cycle power plant at Son My (see press release of 27 March 2018).
- EDF announced the Electricity Storage Plan to become the leader in Europe by 2035: further storage capacity of 10GW representing investment of €8 billion, and doubling the investment in Research and Development (see press release of 27 March 2018).
- Industrial Way Forward Agreement signed between the EDF Group and the Indian energy company NPCIL for the implementation of 6 EPRs in Jaitapur (see press release of 10 March 2018).

# New investments, partnerships and investment projects

## Development of renewable energies, EDF Énergies Nouvelles<sup>24</sup>

- On 3 May 2018, EDF Énergies Nouvelles acquired a 450MW offshore wind project in Scotland from Mainstream Renewable Power.
- On 1 May 2018, the EDF Group commissioned its first renewable energy facility in the United Arab Emirates.
- On 12 April 2018, EDF Énergies Nouvelles' international subsidiaries were rebranded as EDF Renewables
- On 9 April 2018, EDF Énergies Nouvelles won a 114MW wind energy project in Brazil.

# Edison<sup>25</sup>

• On 22 February 2018, Edison finalised the acquisition of Gas Natural Fenosa Vendita Italia and increased its customer base by 50%.

### Framatome<sup>26</sup>

• On 27 April 2018, Framatome and Vattenfall signed contracts for the delivery of fuel assembly reloads.

## Other significant events

- EDF Energy announced the outage of the Hunderston B power plant, with a return to service expected before the end of 2018. (see press release of 2 May 2018).
- EDF launched Metroscope, the artificial intelligence solution that boosts operational excellence for its industrial customers (see press release of 29 March 2018).
- EDF (Cyclife) and Westinghouse Electric Spain were awarded a nuclear dismantling engineering contract in Spain (see press release of 21 February 2018).

<sup>&</sup>lt;sup>23</sup> A full list of press releases is available on EDF's website: www.edf.fr

<sup>&</sup>lt;sup>24</sup> A full list of EDF Énergies Nouvelles' press releases is available from the website www.edf-energies-nouvelles.com

<sup>&</sup>lt;sup>25</sup> A full list of Edison press releases is available on Edison's website: www.edison.com

<sup>&</sup>lt;sup>26</sup> A full list of Framatome press releases is available on Framatome's website: www.framatome.com





A key player in energy transition, the EDF Group is an integrated electricity company, active in all areas of the business: generation, transmission, distribution, energy supply and trading, energy services. A global leader in low-carbon energies, the Group has developed adiversified generation mix based on nuclear power, hydropower, new renewable energies and thermal energy. The Group is involved in supplying energy and services to approximately 35.1 million customers, 26.5 million of which are in France. It generated consolidated sales of €70 billion in 2017. EDF is listed on the Paris Stock Exchange.

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EDF SA 22-30, avenue de Wagram 75382 Paris cedex 08 Capital of €1,463,719,402 552 081 317 R.C.S. Paris

www.edf.fr

CONTACTS

Press: +33 (0) 1 40 42 46 37

Analysts and investors: +33 (0) 1 40 42 40 38