



# Sustainable business highlights

What we're doing today, tomorrow and in the coming years to help Britain achieve Net Zero



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## Welcome

### **The energy and cost of living crises are causing major challenges for the UK energy sector and its customers: how to achieve Net Zero and ensure secure and affordable energy in the context of rising energy prices?**

At EDF, we aim to be part of the solution, working with the industry, policymakers and other stakeholders to answer this question. This update explains our strategy to help Britain achieve Net Zero affordably, securely and responsibly.

Wholesale energy prices have surged over the last year due to increasing global demand and tightening supply, notably due to the Russian invasion of Ukraine. This is having an unprecedented impact on the bills of households and businesses.

We are doing everything we can to help customers through the crisis and work with the Government, the regulator and others to ensure support is there for those who need it.

At the same time we remain committed to our long term goal to help Britain achieve Net Zero. Fortunately, the answers to both climate change and avoiding further energy crises are the same: use energy efficiently and produce what is used from low-carbon, non-fossil sources.

### **Low-carbon energy**

We welcome the Government's Energy Security Strategy; Britain is right to take control of its energy future, with a step change in ambition for electricity from wind, nuclear and solar, and greater energy efficiency. As the country's biggest zero carbon generator, we are perfectly placed to help. We are enabling over £50 billion of investment to generate more than 15GW of zero carbon electricity by 2035.

### **Customers**

We take our responsibility for the welfare of customers very seriously. The cost of living crisis means we are already seeing an increase in customers worried about debt. We have doubled the money we set aside to help vulnerable customers to £10 million in 2022, and provide support through partnerships with a range of charities and others.

We are also helping customers to understand and reduce their energy consumption and bills, by offering smart meters and insight through the Energy Hub, as well as energy efficiency solutions such as insulation and efficient heating solutions. This year we brought forward an additional £20 million spend on energy efficiency for vulnerable customers.

For the long term, we are investing in innovative, affordable, low-carbon energy solutions, including electric vehicles, storage, onsite generation and tools to control energy use.

### **Responsible business**

The transition to a low-carbon economy must be safe, just and positive for our people, the communities we are part of, and the environment. We have set goals to continue to provide a great place to work, and continue to make a broader positive social contribution, which we work with partners to achieve.

We have achieved a lot, but there is much more to do. As the last 12 months have shown, there will be challenges along the way; these are also opportunities at EDF to make a positive difference, and I want to thank you for your ongoing engagement on these important issues.



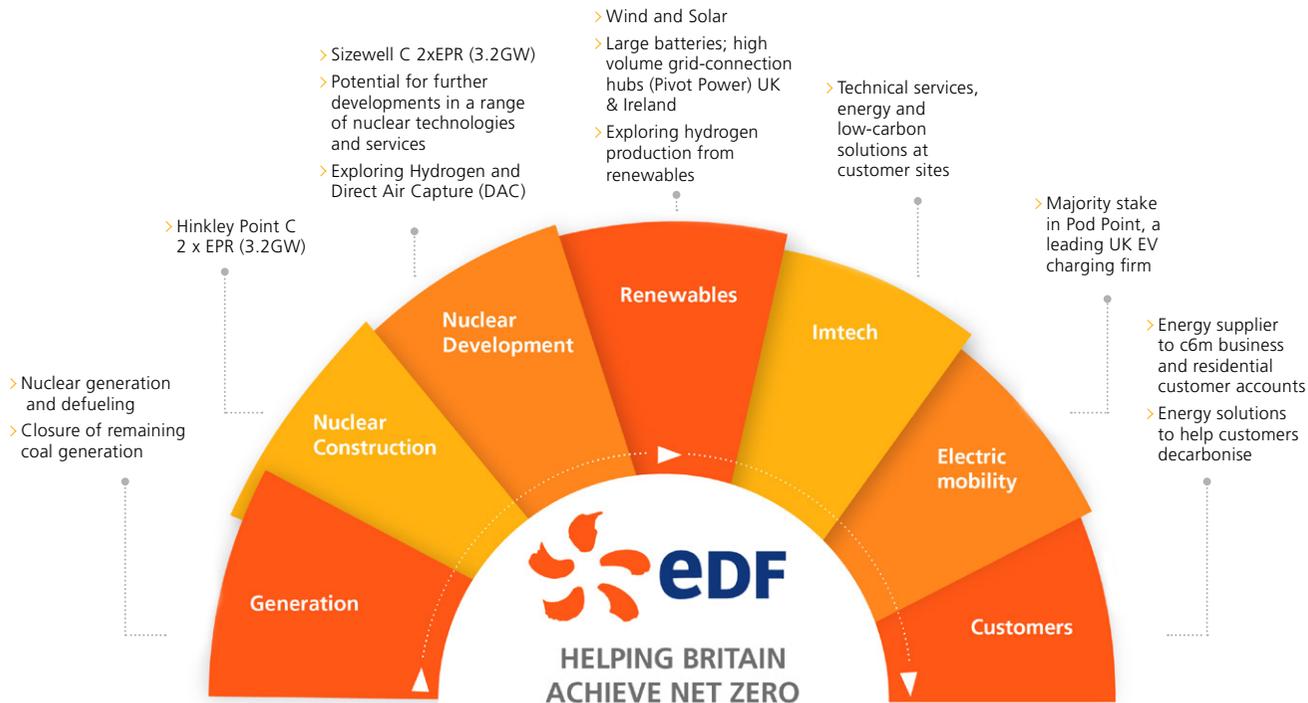
Simone Rossi, CEO EDF



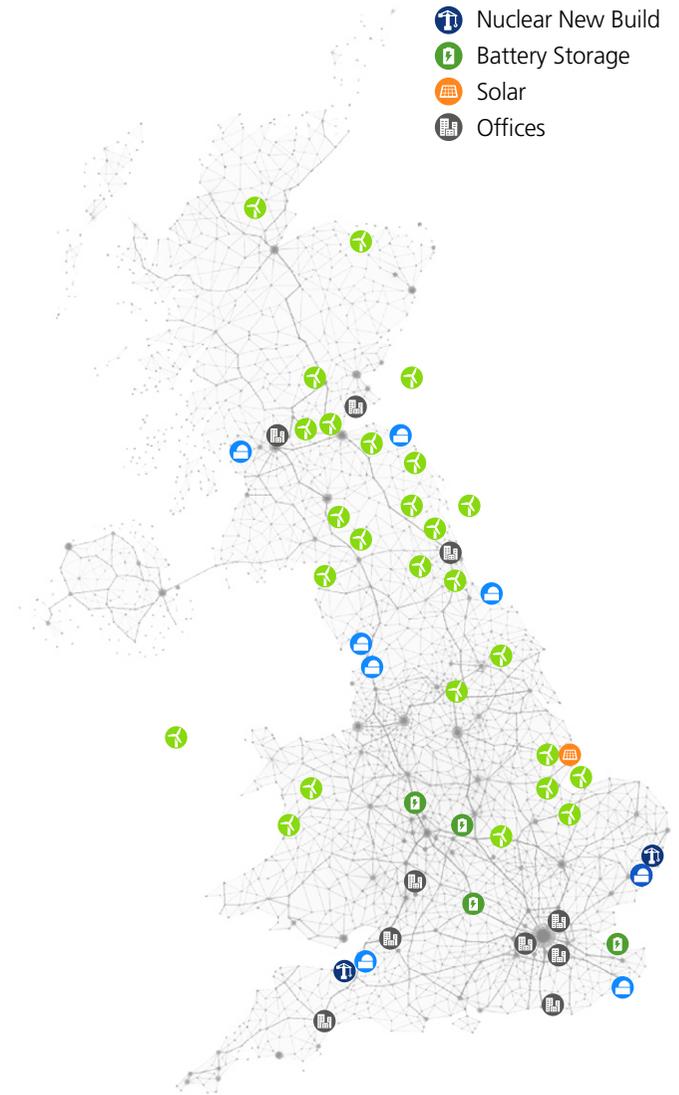
# Our purpose is to help Britain achieve Net Zero

We are the country's biggest zero carbon electricity generator<sup>1</sup> and support customers in decarbonising their energy usage.

We are leading the transition to a decarbonised energy system across our seven business areas:



- Windfarms
- AGR Nuclear Stations
- Pressurised Water Reactor
- Nuclear New Build
- Battery Storage
- Solar
- Offices



<sup>1</sup>The Government Department BEIS recognises electricity from wind, solar and nuclear fuel produces zero carbon dioxide emissions at the point of generation.

In 2020, we made a commitment to help the UK achieve Net Zero emissions by 2050. It is now more important than ever that we do this in an affordable, secure and responsible way.

Our purpose is a UK articulation of the EDF Group raison d'être: to build a net zero energy future with electricity and innovative solutions and services, to help protect and nurture the environment and drive well-being and economic development. It underpins our strategy and decision-making, and helps our activities be compatible with achieving our objectives in a sustainable and fair way.

We are working to achieve Net Zero in a sustainable way – environmentally, economically and socially.

We are committed to driving progress in-line with the [UN's Sustainable Development Goals](#), the ambitions set at COP26; initiatives such as Race to Zero, and the UK Government's Net Zero and Energy Security Strategies.



Recent energy price increases, driven by global gas prices and the war in Ukraine, are strongly impacting the UK operating environment, creating affordability challenges for customers and significant financial pressures on energy suppliers. We are highly engaged with the Government and Ofgem to identify solutions to help ensure energy is affordable and that regulation drives a resilient, competitive energy market that brings benefits to customers, whilst supporting customers, colleagues and communities through this challenging period.

Ensuring energy security without an excessive cost on household and business finances, or the planet, requires a low-carbon, efficient energy system.

We are a leading investor and industrial developer of wind, nuclear and solar generation alongside energy storage, efficiency and other new technologies to support the transition to a low-carbon economy.



GENERATING LOW CARBON ELECTRICITY

**WIND + NUCLEAR + SOLAR**

HELPING BRITAIN ACHIEVE NET ZERO



# OUR AIMS AND OBJECTIVES

## Helping our customers achieve Net Zero



We want to do as much as we can to be part of the solution to the affordability crisis and we have a long standing commitment to helping vulnerable and fuel-poor households.

As one of the largest energy suppliers in Great Britain, we aim to be a UK leader in key low-carbon customer solutions, supporting business and residential customers to become more efficient and switch to low-carbon lifestyles. We do this amongst other things, by supplying heat pumps, energy efficiency upgrades, smart meters, electric vehicle (EV) charging solutions, renewable PPAs<sup>3</sup> and solar panels.

### OUR GOALS

#### We support customers

during the affordability crisis. We are engaging with Government and the industry to help identify and promote ways to make energy affordable.



By 2030, we will help customers avoid **5MtCO<sub>2</sub>e per annum** through low-carbon solutions we help them to install.<sup>4</sup> This is equivalent to the emissions from **heating more than 2 million UK homes for a year.**

## Zero carbon electricity



We are Britain's biggest zero carbon electricity generator, operating, developing and constructing a fleet of nuclear, wind and solar.

We aim to accelerate the shift to safe, reliable and efficient low-carbon energy generation and storage.

Together Sizewell B, Sizewell C and Hinkley Point C could deliver reliable low-carbon power for more than 15 million homes, and we have an expanding portfolio of renewables with almost 5GW of projects in planning and development.

In support of the British Energy Security Strategy, our goal is to develop over **15<sup>GW</sup>** of zero carbon electricity by 2035.

We will reduce the carbon intensity at the point of generation to **0g CO<sub>2</sub>e/MWh** during 2023.



## Responsible business



We believe all harm is preventable and so we strive for Zero Harm. Every job will be done safely, no matter how important or urgent it is.

We minimise the environmental impact of our operations to ensure a cleaner, healthier and more resilient environment that benefits society and the economy.

We aim to provide a great place to work, by enhancing equality, diversity and inclusion for our colleagues and supply chain.

We are making a strong socio-economic contribution, supporting customers, local economies and communities, and the STEM skills of tomorrow's energy innovators.

We will be Net Zero by 2050 and have a **fully electric light-vehicle fleet by 2030.**



**50% of senior leaders**

will have diverse characteristics (gender, ethnicity, sexual orientation and disability) by 2030.

We aim to maintain **>80% pride score** in our annual employee survey.

### UN SUSTAINABLE DEVELOPMENT GOALS



<sup>3</sup> A Renewable Power Purchase Agreement (PPA) is a mechanism to purchase electricity directly from a renewable energy generator, such as a wind farm.  
<sup>4</sup> Carbon emissions avoided per year by installing low-carbon customer solutions, which include smart meters, EV charging point, heat pumps and solar PVs



# PERFORMANCE HIGHLIGHTS

## Helping our customers achieve Net Zero



### Zero Hassle

Rated Great on Trustpilot



and **1st out of 20** energy suppliers by Citizens Advice<sup>5</sup>

We spent £5m in financial support to customers in need in 2021 and are **doubling this to**

**£10 million in 2022**

All our home energy customers with fixed tariffs get



**zero carbon electricity as standard**

## Zero carbon electricity



We are **Britain's biggest generator of zero carbon electricity**. We produced around 17% of the nation's electricity in 2021

**1GW** of gross renewables capacity in operation and almost **5GW** in planning<sup>6</sup>

In-line with our goals, we reduced the carbon intensity at the point of generation by nearly

**30% in 2021**

(36g CO<sub>2</sub>e/kWh in 2021, 51g CO<sub>2</sub>e/kWh in 2020)



## Responsible business



**30% increase** in electric light-vehicle fleet between 2020 and 2021



**£18 billion** of projected economic value to the UK from our Hinkley Point C project, with **3,800** British businesses involved and **15,000** new jobs created to date



Employee pride<sup>7</sup>

**83%**

Diversity and Inclusion index<sup>7</sup>

**81%**

<sup>5</sup>At time of publication

<sup>6</sup>EDF Renewables UK and Ireland

<sup>7</sup>Based on MyEDF employee engagement survey

# OUR NET ZERO ROADMAP

- > **EDF takes responsibility** for the UK nuclear fleet
- > EDF Group develops **climate change adaptation strategy** and publishes first complete greenhouse gas emissions assessment
- > **EDF Group commits to stopping coal-based electricity** and decommissioning starts at our Cottam coal powered station
- > **Acquired Pivot Power**, Energy Superhub developer
- > **Commissioning of Dorenell** wind farm in Scotland
- > **Acquired majority stake in Pod Point**, a leading UK EV charging solution provider
- > Formalised our commitment to Net Zero, establishing our purpose to **Help Britain Achieve Net Zero**



2009

2011

2019

2020

2021

2022

- > Five years after getting the go-ahead, **22,000 people** are working on Hinkley Point C and **£3.2 billion** has been spent directly with local businesses in the South West
- > **EDF leads** Ofgem supplier delivery progress for **ECO3 energy efficiency programme**
- > EDF launches **Energy Hub** consumption insight platform for smart metered customers
- > New partnership between EDF Renewables UK and Vantage RE for **Blyth offshore wind farm**
- > **Investment in, and partnership with, heat pump installer** CB Heating, supporting the development of a Heat Pump Installers Network Academy
- > Partnership between EDF Renewables UK and DP Energy for **Gwynt Glas floating wind** Celtic Sea project
- > Installation of the first **major solar project** for EDF Renewables in the UK, **Sutton Bridge solar farm**, with generation to start by late 2022
- > Planning consent granted for **Sizewell C**
- > Pivot Power opens **Europe's most powerful EV charging hub**, completing Energy Superhub Oxford



2023

2024

2027

2030

2035

2050

- > Indicative date for final investment decision on Sizewell C
- > Carbon intensity at the point of generation reduced to 0gCO<sub>2</sub>e/kWh following the closure of West Burton A, our last coal plant

- > Decision on life extension of Sizewell B nuclear station to 2055
- > Neart na Gaoithe offshore wind farm to come online

- > Start of electricity generation from Unit 1 of Hinkley Point C (1.6GW)

- > 100% EDF light-vehicle fleet switched to electric
- > Over 5 million tonnes of CO<sub>2</sub> avoided per annum through low-carbon customer solutions
- > EDF Group reduces direct and indirect emissions 50% (vs. 2017) and scope 3 emissions 28% (vs. 2019)

- > EDF in the UK has helped to enable investment in over 15GW wind, nuclear and solar

UK and EDF group to achieve **Net Zero**



Read our full sustainable business update at  
[edfenergy.com/sustainability](https://edfenergy.com/sustainability)

