

## **Update on the Flamanville EPR**

On 11 January 2022, EDF has adjusted the schedule for the Flamanville 3 project, taking into account the state of progress of the operations and the preparation for start-up in an industrial context made more difficult by the pandemic. The fuel loading date is rescheduled from the end of 2022 to the 2<sup>nd</sup> trimester 2023. The estimated cost at completion changes from 12.4 billion euros to 12.7 billion euros<sup>1</sup>.

The new organisation put in place at the beginning of 2020 to successfully bring the Flamanville 3 reactor into operation at the required levels of safety and quality enabled to improve efficiency. The most complex operations to repair the penetration welds on the reactor building were successfully completed and deemed compliant by the Nuclear Safety Authority (ASN). These operations were the first of their kind in the industry.

All the fuel assemblies that will be used in the first operating cycle of the reactor are stored in the fuel building, in accordance with the operating fleet procedures.

90% of the equipment has been transferred to the teams in charge of the operation. Over 55,000 documentary checks and verifications have been carried out on the installations, regarding more than 7,000 pieces of equipment that are "important for safety".

Before loading the fuel into the reactor vessel and carrying out the overall start-up tests, several operations remain to be carried out:

- completion of the weld upgrade of the main secondary circuit;
- a new series of qualification tests of the installation before loading the fuel into the reactor;
- Taishan No. 1 reactor technical issue experience feedback integration (see below);
- the final instruction of the last technical issues, in conjunction with the ASN, leading to the granting of administrative authorisations;
- finishing touches to the installation and the provision of all the documents required for operation.

## Feedback of the Taishan No. 1 reactor technical matter

Inspections carried out on fuel assemblies of the Taishan No. 1 reactor following the technical issue encountered during its second operating cycle showed mechanical wear of certain assembly components. Such phenomenon has already been identified in several reactors of the French nuclear fleet. This phenomenon does not question the design of the EPR.

In the perspective of the commissioning of Flamanville 3, a solution, already performed on EDF's operating nuclear fleet, will be instructed with the French Nuclear Safety Authority.

## This press release is certified. Its authenticity can be checked on medias.edf.com

## **About EDF**

As a major player in energy transition, the EDF Group is an integrated energy company active in all businesses: generation, transmission, distribution, energy trading, energy sales and energy services. EDF group is a world leader in low-carbon energy, having developed a diverse production mix based mainly on nuclear and renewable energy (including hydropower). It is also investing in new technologies to support energy transition. EDF's raison d'être is to build a net zero energy future with electricity and innovative solutions and services, to help save the planet and drive well-being and economic development. The Group is involved in supplying energy and services to approximately 37.9 million customers <sup>(1)</sup>, of whom 28.7 million in France <sup>(2)</sup>. It generated consolidated sales of €69.0 billion in 2020. EDF is listed on the Paris Stock Exchange.

- (1) Since 2018, customers are counted per delivery site. A customer can have two delivery points: one for electricity and another one for gas.
- Including ÉS (Électricité de Strasbourg).

Only print this message if absolutely necessary.

EDF SA French societe anonyme With a share capital of 1 619 338 374 euros Registered lead office : 22-30, avenue de Wagram 75382 Paris cedex 08 552 081 317 R.C.S. Paris

<sup>&</sup>lt;sup>1</sup> In 2015 euros and excluding interim interest