



After the conversion of the Port Est power plant to liquid biomass, EDF's power generating fleet in Reunion Island reaches 100% of renewable energy

December 4 2023 - Through its subsidiary EDF Production Energie Insulaire (PEI), EDF Group has inaugurated its bioenergy power plant at Port-Est in Reunion island. The plant's twelve engines previously running on oil, are now operating on liquid biomass made from rapeseed oil. Therefore, EDF has made its electricity production on the island fully renewable¹, contributing to the region's ambition to achieve 100% of renewable energy by 2030.

The conversion is a first of a kind for a power plant of this size. Two years of technical preparation and six months of work made it possible. The plant covers on average 40% of the island's electricity needs. EDF chose to maintain power generation during the conversion work - a real technical achievement. Such a challenge required rigorous planning, including the maintenance schedule, successive outages during conversion work and modifications to the plant's central instrumentation and control system, essential for using the new fuel.

Liquid biomass is made from rapeseed oil and provides 100% green electricity, preventing the emissions of 500,000 tonnes of CO₂ per year². Use of this fuel will significantly improve air quality by eliminating sulphur emissions and reducing dust emissions while at the same time ensuring electricity generation by the plant (212 MW). The liquid biomass used is certified by the European RED (renewable emissions directive), which has been transposed into French and governs sustainability criteria and environmental requirements for the sector.

Luc Rémont, Chairman and CEO of EDF, declared *"We are delighted with the successful conversion of the Port-Est power plant. It secures an important renewable power plant for Reunion Island's electricity mix and supports the region's energy transition ambitions. Our power generating fleet in Reunion Island is now 100% renewable and is an integral part of our goal to make non-interconnected regions a reference in this field."*

¹ Production excluding combustion turbines which may be used in the event of a grid event that cannot be handled by another plant. A map of our generating facilities can be consulted on the [EDF website](https://www.edf.fr).

² For further information, [the impact study](#) is available online.

Photos:

@SERGE MARIZY – EDF PEI Port-Est Bioenergy Plant



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About EDF PEI

EDF Production Électrique Insulaire is a 100 % subsidiary of EDF SA which builds and operates electricity power plants in the French overseas departments and regions and in Corsica. Its core business is electricity generation in insular regions across the whole value chain, specific to non-interconnected electrical systems.

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 40.3 million customers (1), of whom 30.3 million in France (2). It generated consolidated sales of €143.5 billion in 2022.

(1) Customers are counted per delivery site. A customer can have two delivery points: one for electricity and another one for gas.

(2) Including ÉS (Électricité de Strasbourg) and SEI.

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