

Connection requests received in the Ile-de-France region

In the Ile-de-France region, current connection requests total 5 GW, mainly for data centres. These requests have a major impact on the 400kV network. Although they are not the only cause of the constraints generated on this network, they do accelerate their occurrence. RTE raised these issues as part of the consultation on the Ile-de-France section of the French Ten-Year Network Development Plan (*schéma décennal de développement du réseau - SDDR*).

- Reinforcements expected on the 400 kV axis

Reinforcement work consisting of the creation of a new 400 kV axis in this region should increase the capacity of this axis, already identified by the 2019 SDDR. Subject to obtaining administrative authorisations for its construction, it could be brought into service by 2030.

However, RTE is offering to connect **all** new applicants in the Ile-de-France region to the network without waiting for work on the 400 kV line to be completed. This possibility is combined with a requirement for flexibility during periods of tension on the public transmission network.

- Adaptation of the Ile-de-France 225kV and 63kV axis

High number of connection requests localised requests in constrained electrical zones also has a significant impact (i) on the 225 kV and the 63 kV axis, and (ii) on the methods and timescales to answer connection requests, which compete over the possible connection solutions.

An approach based on individual responses is no longer efficient. Current discussions should lead to the implementation of **mutualised connection solutions** involving the creation of new structures and the adaptation of the existing 225 kV and 63 kV axis, particularly in the south of the Ile-de-France region.

RTE should set up a mutualised connection solution in this zone, in order to tackle the difficulties in designing connection solutions adapted to concomitant and geographically close connection requests. This mutualisation should bring costs reduction and an equitable distribution of costs among the customers benefiting from its mutualised infrastructures, by means of a component of the connection charge "per MW requested" (known as the quota).

The Commission de Régulation de l'Energie (CRE) will be informed of the conditions of this mutualised offer, in anticipation of the implementation of article 32 of the law on accelerating generation of REs, which will require it to give a formal ruling on the amount of the share per MW of connection capacity.

RTE will send offers in the order in which connection requests are received, combined with flexibility obligations pending reinforcement work on the 400kV axis.