

TERNA: THE NEW “ROMA EST- ENEA FRASCATI” UNDERGROUND CONNECTION APPROVED

**The project involves the construction of three underground power lines for a total of 40 km,
as well as a new substation**

The Italian national grid operator will invest about €70 million in the project

Rome, 20 January 2023 – The Italian Ministry of the Environment and Energy Security has issued the decree authorising Terna’s “Roma Est - ENEA Frascati” project, in which the company led by Stefano Donnarumma will invest over €70 million.

The project involves the construction of a series of works in the east quadrant of the Metropolitan City of Rome aimed at fulfilling the connection request submitted by ENEA.

ENEA, the Italian National Agency for New Technologies, Energy and Sustainable Economic Development, submitted a connection modification request to the national transmission grid to supply a consumption plant at the Research Centre in Frascati (RM) used to power the Divertor Tokamak Test facility, an experimental machine aimed at the production of renewable, safe and unlimited energy.

Specifically, the authorised works will enable the construction of three new 150 kV underground power lines extending for a total of 40 km. For the three power lines, Terna will use cables with XLPE insulation, a highly reliable, efficient and sustainable technology. The planned power lines will almost entirely follow the route of the existing infrastructure.

To guarantee the output and continuity of the supply required by ENEA, Terna will also build a new 150 kV switching substation in the municipality of Frascati, and will update the existing “Roma Est” substation in the Municipality of Galliciano nel Lazio.

Once the works are complete, the existing “ENEA Frascati RM - ENEA Frascati UT” 150 kV overhead power line, which extends for around 300 metres, will be demolished.

In addition to Rome, the project will affect the municipalities of Colonna, Frascati, Galliciano nel Lazio, Monte Compatri, Monte Porzio Catone and Zagarolo, all of which are within the Metropolitan City of Rome.