

**The agreement signed today, that will increase the level of electricity inter-exchange by 60%, has been reached after 20 years from the last power line built between the two countries**

## **All the Italy-France interconnection figures**

**4 large electricity highways connect Italy and France. Every year, France exports approximately 15 billion kWh equal to 4.5% of the Italian demand.**

Every year, Italy imports overall nearly 45 billion kWh, equal to 15% of the country's electricity demand.

There are presently 18 interconnection lines with other countries: in addition to the two submarine cables with Greece and Corsica, Italy is also connected along the northern border through

4 lines with France

9 lines with Switzerland

1 line with Austria

2 lines with Slovenia.

On the whole, these large electricity highways account for a 7,300 MW capacity, equal to 3 and a half times the demand of a city like Rome.

The interconnection lines with France, in particular, guarantee a total power for commercial exchange equal to 2,650 MW.

Below are the figures of the France-Italy electricity interconnection at present:

- **380 kV "RONDISSONE- ALBERTVILLE" LINE**  
YEAR: **1985**  
LENGTH (ITALIAN SEGMENT): 120 KM  
POWER: 1000 MW (X 2)
- **220 kV "CAMPOROSSO- LE BROC CARROS" LINE:**  
YEAR: **1973**  
LENGTH (ITALIAN SEGMENT): 9.6 KM  
POWER: 300 MW
- **380 kV "VENAUS-VILLARODIN" LINE:**  
YEAR: **1969**  
LENGTH (ITALIAN SEGMENT): 8.5 KM  
POWER: 750 MW

In 2006, France exported to Italy 15 billion kWh, equal to 4.5% of the Italian demand. The electricity that is transferred along the French border is lower than that coming in from Switzerland (equal to nearly 24 billion kWh); Switzerland, however, also due to its geographical position, represents a transit area for electricity also coming from other countries. The electricity imported from France, instead, is entirely generated in France making it Italy's largest electricity supplier.

The agreement signed today in Nice between TERNA and RTE, the respective grid operators, sets the foundation for expanding and strengthening the interconnection level between the two countries; this will lead to advantages in greater safety and increased integration of electricity markets in compliance with the Brussels provisions. Below is a brief summary.

- a) **Strengthening** of the "Piosasco (IT)-Venaus (IT)- Villarodin (FR)-La Praz (FR)- Albertville (FR)- Montagny (FR)-Cornier (FR)" artery  
The agreement includes rebuilding the power station in Albertville, France, and strengthening the lines in the Italian territory  
The project will guarantee an added interconnection capacity equal to **600 MW**
- b) **New 500 kV "Piosasco (IT)- Grand'Île (FR)" interconnection line**  
The agreement includes a feasibility study to build a new DC line that follows the highway course of the Frejus tunnel  
The project will guarantee an added interconnection capacity equal to **1,000 MW**

**Overall, the two projects will increase the interconnection capacity between Italy and France by 1,600 MW, an amount equal to 4 large electricity plants each one of 400 MW.**

**The interconnection level between Italy and France will increase to 4,200 MW from the present 2,650 MW (+60%), bringing the total power of the lines connecting Italy with other countries to 8,900 MW.**

