

Tirana - Rrashbull 220 kV Double Circuit Overhead Transmission Line and 110 kV Tirana Ring

Project Financing

WBIF	Grant	TA3-ALB-ENE-01	€ 577,000
WBIF	Grant	WB4-ALB-ENE-01	€ 577,605
National Contribution	Own Contribution		€ 11,904,262
KFW	Loan		€ 40,000,000
WBIF	Grant	WB-IG10E-ALB-ENE-03	€ 8,018,966
Total			€ 61,077,833
Total Grants			€ 9,173,571
Total Loans			€ 40,000,000

Project Description

This project will enable the construction of a reliable electricity transmission system in Tirana and neighbouring region, towards Durres. Specifically, it will entail:

- construction a 220 kV double circuit line from SS Tirana 2 to Rrashbull, a new 220/220 kV substation in Rrogozhina as well as power transformer upgrade in SS Rrashbull.
- construction of a new 220/110 kV substation (SS Tirana 3) with an installed capacity of 120 MVA (Sauk area) and the reinforcement 110 kV Tirana ring.

The improvements will reduce electricity losses as well as power cuts, which regularly affect 50% of the region's residents and 30% of its private businesses. Current air pollution caused by the diesel generators used during power outages is also expected to decrease.

The WBIF has allocated more than €1,100,000 as EU grant to the preparation of feasibility studies, including preliminary designs, for these two developments.

Results and Benefits

- encourage economic growth in the Tirana area due to better electricity supply and reduced load shedding
- afford the electricity supply load growth rate which, for Tirana areas, is about 5.8% yearly (average one for the period 2003-2008)
- normalize supply of unsupplied load which actually for sub-urban areas is about 10-15% and in this manner will increase billing and revenue
- technical losses reduction for Tirana areas which for transmission and distribution is about 22-23% (reduced cost of supply)
- increased electricity supply for households, service sector (public and commercial buildings) and as well as

for the industrial customers

- improved quality of service (normalise the voltage levels, etc), especially for the Sauk area, and this is the main reason for the allocation of Tirana 3 220/110 kV Substation in this zone
- reduced overload of the lines and substations for the whole transmission system of the Tirana areas
- the actual number of direct beneficiaries will be approx 1,000,000

- **Countries:** Albania
- **Code:** PRJ-ALB-ENE-003
- **Sector:** Energy
- **Lead IFI:** KFW
- **Status:** Implementation
- **Beneficiary:** Electricity Transmission System Operator in Albania