

Smart Metering / Automated Meter Reading (AMR) System

Project Financing

WBIF	Grant	WB8-BIH-ENE-11	€ 462,300
EIB	Loan		€ 35,000,000
Beneficiary Contribution	Own Contribution		€ 14,540,000
Other Sources	Other Sources		€ 49,900,000
EIB	Loan		€ 25,000,000
Total			€ 124,902,300
Total Grants			€ 462,300
Total Loans			€ 60,000,000

Project Description

JP Elektroprivreda BiH d.d. Sarajevo is one of three public power companies in Bosnia and Herzegovina responsible for the generation and distribution of electricity to domestic and industrial consumers alike. At the time of preparing the grant application to the WBIF, the company had more than 700,000 customers, located in seven cantons in Bosnia and Herzegovina. Approximately 95% of customers were charged based on electromechanical meters. More than 25% of these electromechanical meters were approximately 40 years old and hence rather unreliable. Moreover, the reading of these meters and subsequent invoicing was performed by about 200 dedicated employees, whose costs added to the electricity tariff. The remaining 5% of the meters were electronic, with some smart metering functionality, albeit the with the same reading and invoicing procedure in place.

The company has committed to installing smart meters at 80 % of customer points of connection (about 700,000 customers) by 2020, together with an Automated Meter Reading (AMR) system, which will interface with the billing and collection system in place. The WBIF (EU) grant has been instrumental in covering the costs of the feasibility study. The investments are currently under implementation.

Results and Benefits

- reduce the costs of meter readings, reduce the number of electricity thefts and help reduce the distribution losses in the distribution system of EP BiH
- reduce the customer's electricity consumption by using the information about electricity consumption, provided by the smart meters
- the Smart Metering System will provide the technical infrastructure for the electricity customers to become active in the electricity market
- the Smart Metering System would provide the basic infrastructure for the implementation of smart grids, which promise large-scale integration of renewable energy sources in the distribution networks, thus helping reduce the overall CO2 emissions footprint of the electrical power system

- **Countries:** Bosnia and Herzegovina
- **Code:** PRJ-BIH-ENE-007
- **Sector:** Energy
- **Lead IFI:** EIB
- **Status:** Implementation
- **Beneficiary:** JP Elektroprivreda BiH dd Sarajevo

Related Documents

- [25 May School in Skopje: Detailed Description of Works](#)