



Javno preduzeće
ELEKTROPRIVREDA BOSNE I HERCEGOVINE
d.d. - Sarajevo

Power Sector Projects And Investment Opportunities

Elektroprivreda BiH

6th South East Europe Energy Dialogue (6th SEEED)

“Redefining SE Europe’s Energy Map”

MAY 2012

Bosnia and Herzegovina

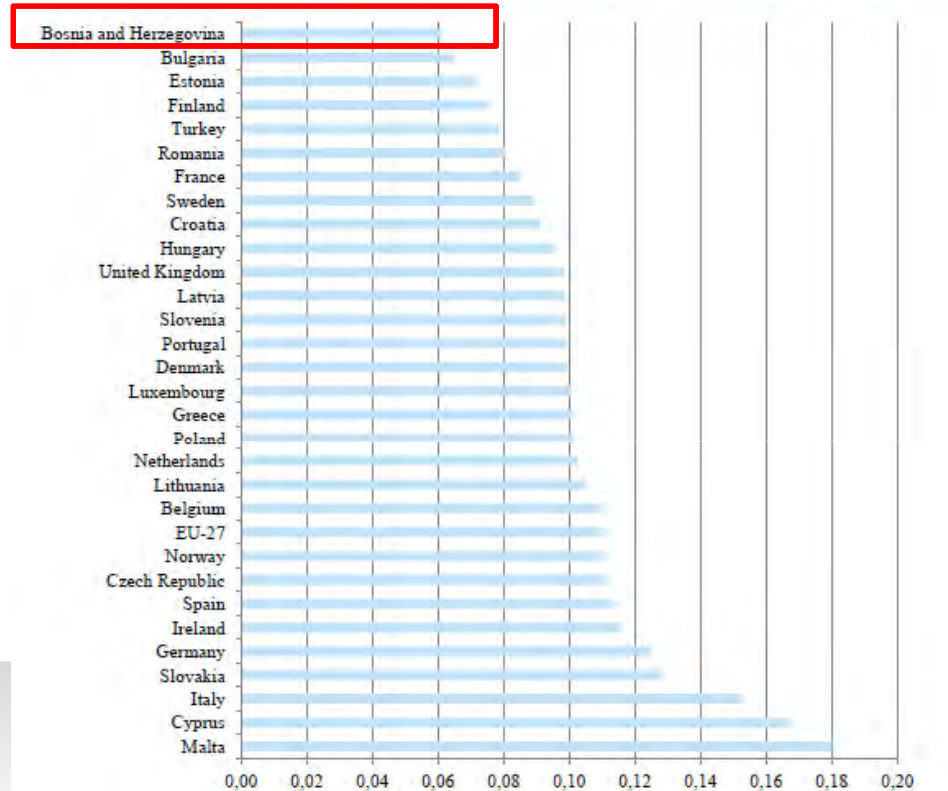
• ELECTRIC SECTOR

- Regulatory Agencies (1+2)
- Independent System Operator
- Transmission Company
- Public Suppliers (3)
- Producers (utilities & IPPs)
- Traders

Electricity Market

- All customers, except households, eligible
- All customers as of January 1, 2015.
- Transition period „*soft landing*”

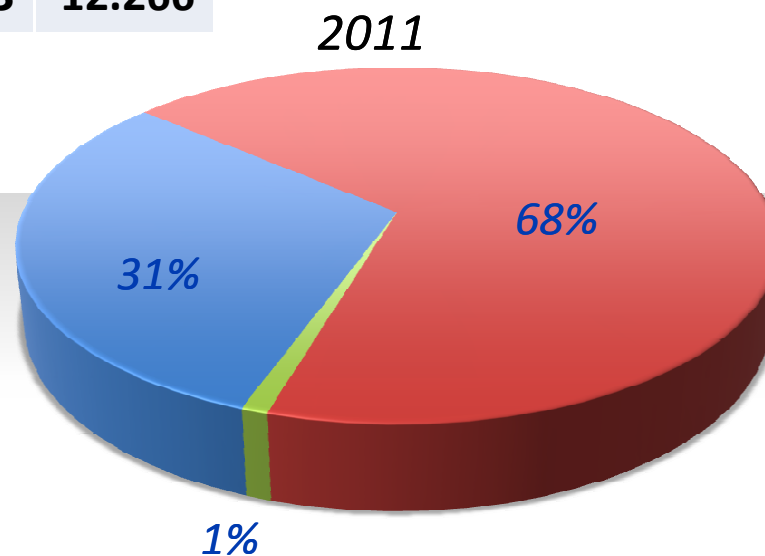
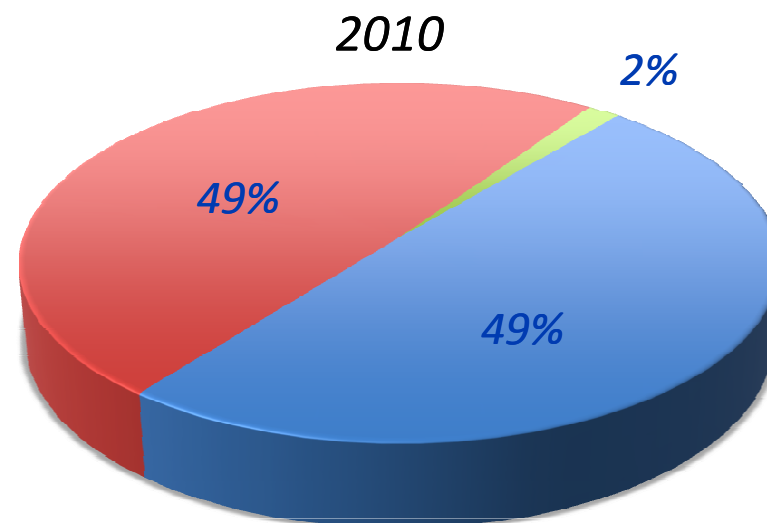
Figure 10. Electricity prices expressed in €/kWh for industrial customers (annual consumption from 500 to 2000 MWh) in the first half of 2011, using Eurostat methodology



2011. SERC Report

Basic Power Indicators of Bosnia and Herzegovina for 2010 & 2011

GWh	2011	2010
hydro power plants	4.326	7.946
thermal power plants	9.588	7.869
small and industrial PPs	136	253
Total Generation	14.050	16.068
Consumption	12.593	12.266



■ HPPs
 ■ TPPs
 ■ SHI

ELEKTROPRIVREDA BiH - COMPANY PROFILE

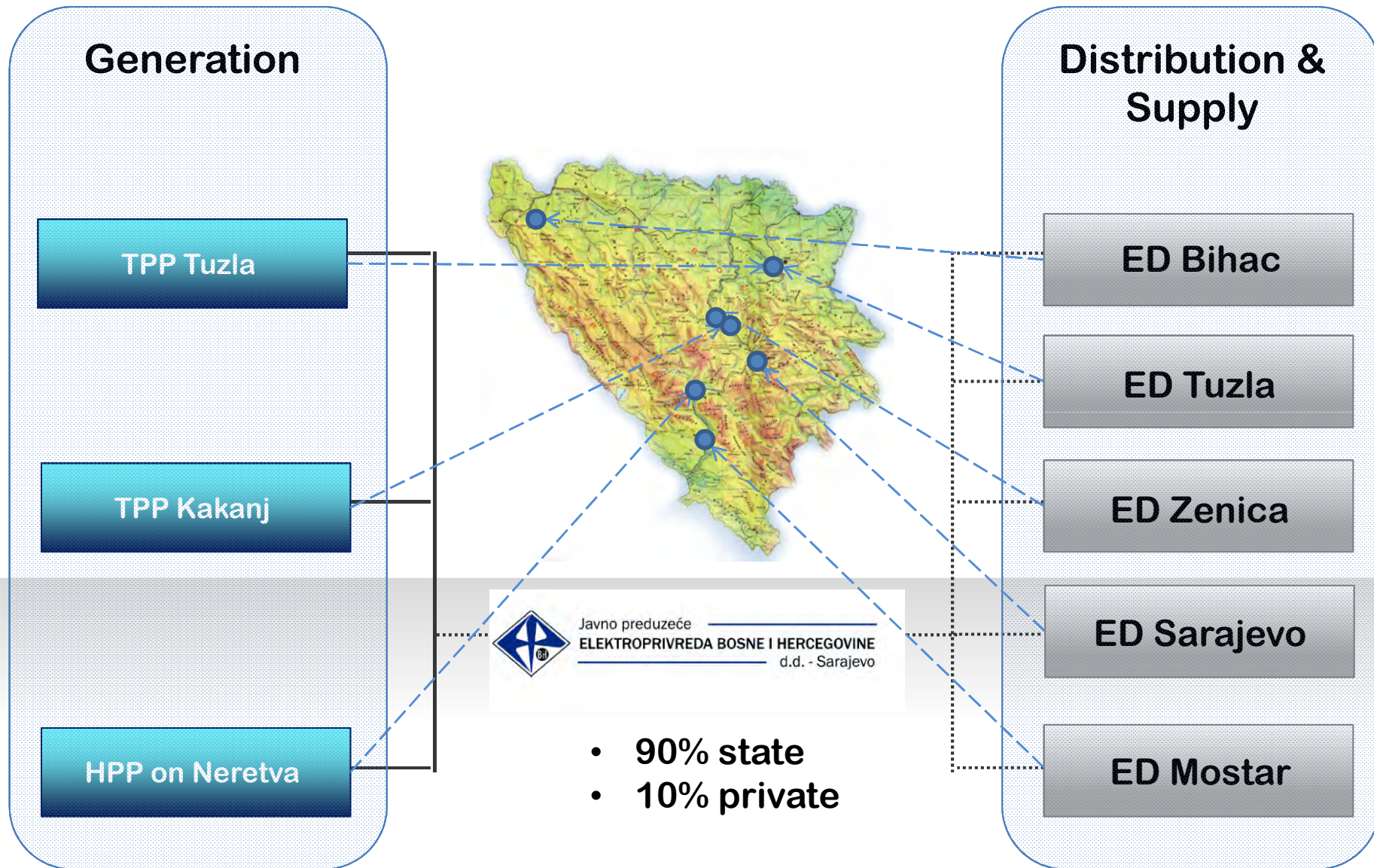
- **Bigest Electric Utilities in B&H**
- **Power generation, distribution & supply**
- **Share Capital (90 % State & 10 % private share)**
- **Operates with 2 TPPs (1,165 MW), 3 HPPs (504 MW), 8 SHPPs (13 MW)**
- **Total Installed Capacity 1,682 MW**
- **100% owner of seven coal mines**

Basic information for 2011

- **Generation 7,295 GWh**
- **Total revenues 488.9 million €**
- **Net profit 0.8 million €**
- **4,878 employees**



Company structure





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NEW CAPITAL INVESTMENTS IN EPBiH

Main objectives:

- **Replacement of existing old units in TPPs with more efficient units**
- **Fulfilling of EU obligations in increasing of generation from renewable energy sources**

List of the selected projects

Thermal PP

For partners/ long term PPA:

- **TPP Tuzla, Unit 7**
- **TPP Kakanj, Unit 8**

Renewable Energy PP

For Financial institutions:

- **HPP Vranduk**
- **HPP Ustikolina**
- **HPP Kovanići**
- **SHPP on Neretvica river**
- **WF Podveležje**
- **WF Vlašić**

TPP TUZLA, UNIT 7

450 MW / 2.756 GWh

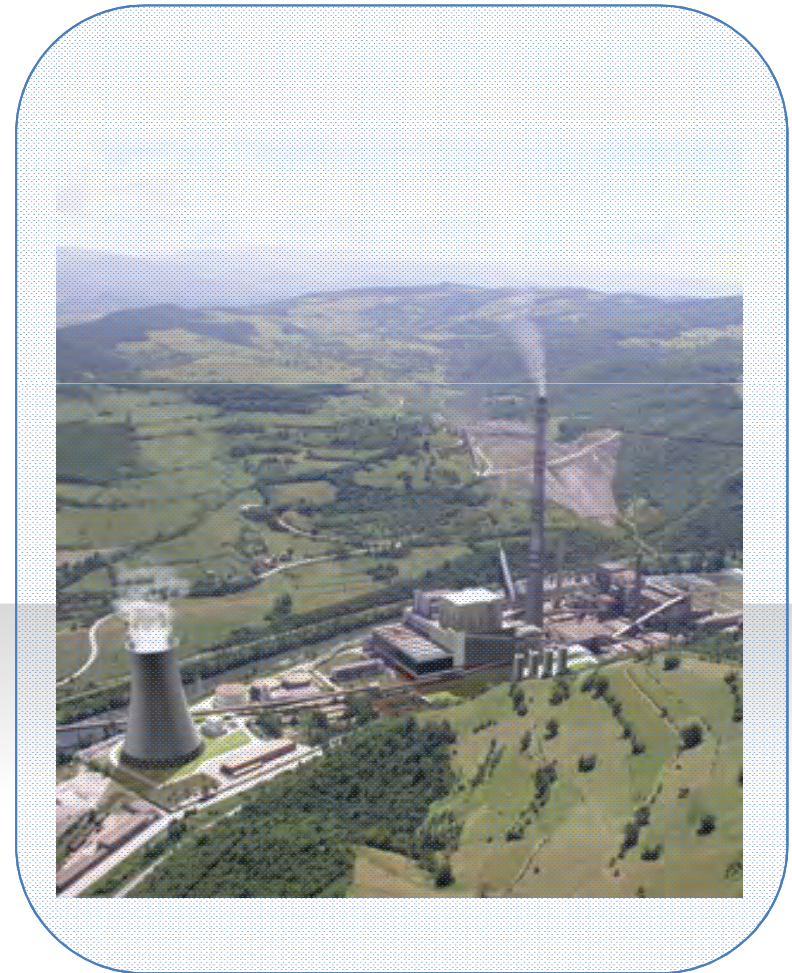
- Replacing cogeneration unit at the existing location
- Project Cost: €842 million
- IRR: 7,50 %
- Financing: project partner/long-term PPA
- Start of construction: 2014
- In operation: 2018







TPP KAKANJ, UNIT 8

300 MW / 1.755 GWh


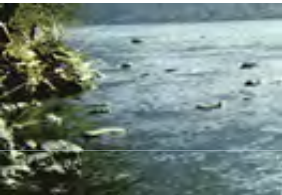
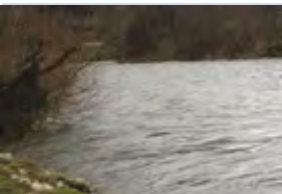

- Replacing cogeneration unit at the existing location
- Project Cost: €626 million
- IRR: 6,75 %
- Financing: project partner/long-term PPA
- Start of construction: 2015
- In operation: 2019





Hydro power plants - planned projects I

	HPP VRANDUK	Run-of-river, diversion plant 20 MW / 96 GWh	Project Cost: 64,6 mill. €	2012 2015
	HPP JANJICI	Run-of-river, plant inside dam 13 MW / 60 GWh	Project Cost: 33,3 mill. €	2013 2017
	HPP USTIKOLNA	Run-of-river, plant inside dam 60 MW / 247 GWh	Project Cost: 123 mill. €	2015 2018
	HPP CAPLJE	Run-of-river, plant inside dam 12 MW / 57 GWh	Project Cost: 33,3 mill. €	2014 2017

Hydro power plants - planned projects II

	HPP KRUSEVO/ ZELENI VIR	Kruševo: Accumulation, Zeleni Vir: Run-of-river, plant inside dam 9,7+2,1 MW / 21,7+8,4 GWh	Project Cost: 46,6 mill. €	2016 2019
	HPP KOVANICI	Run-of-river, plant inside dam 10,1 MW / 57,4 GWh	Project Cost: 27 mill. €	2017 2020
	HPP VRHPOLJE	Accumulation, diversion plant 79,4 MW / 157,66 GWh	Project Cost: 123 mill. €	2018 2021
	SHPP's ON NERETVICA RIVER	15 plants to be constructed in 3 phases 26,1 MW / 102 GWh	Project Cost: 49,7 mill. €	2012 2014/ 2015/ 2016

Wind farm - planned projects

	WF Podveležje	New project on new location <ul style="list-style-type: none">- 46 MW / 93 GWh- 16 turbines	<ul style="list-style-type: none">- Project cost: 64 mill. €- IRR: 16,5 %- loan & own funds	2012 2014
	WF Vlašić	New project on new location <ul style="list-style-type: none">- 48 MW / 98 GWh	<ul style="list-style-type: none">- Project cost: 64 mill. €- loan & own funds	2015 2017



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