



In cooperation with:



Embassy of the Republic of Slovenia
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18th VIENNA ECONOMIC FORUM VIENNA FUTURE DIALOGUE 2021

Economy meets Politics in a Digital World

During the Slovenian Presidency of the Council of the EU 2021

Energy Transition
Infrastructure and Financial Challenges
for the Countries of the VEF Region

Monday, 22 November 2021, 9:00 a.m. - 12:30 p.m. (CET)
House of Industry (Federation of Austrian Industries), Vienna



Mr. Admir Andelija

General Manager of JP Elektroprivreda BiH d.d.
Bosnia and Herzegovina



Representative Member of the
Patrons Committee
of Vienna Economic Forum



RES projects of EPBiH - Decarbonization roadmap 2050

*JP Elektroprivreda BiH d.d.-Sarajevo
Admir Andelija, General manager*



Concern EP BiH

Electricity & Heat

Mining business

Other business

EP BiH d.d.

Support functions

Headoffice administration

Production

ODS

Supply

Trading

TPP Tuzla, 723 MWe

TPP Kakanj, 466 MWe

HPP Neretva, 504 MWe

sHPP, 13 MWe

WP Podvezlje, 48MW

ED Sarajevo

ED Tuzla

ED Zenica

ED Bihać

ED Mostar

EPBiH power utility - generation portfolio



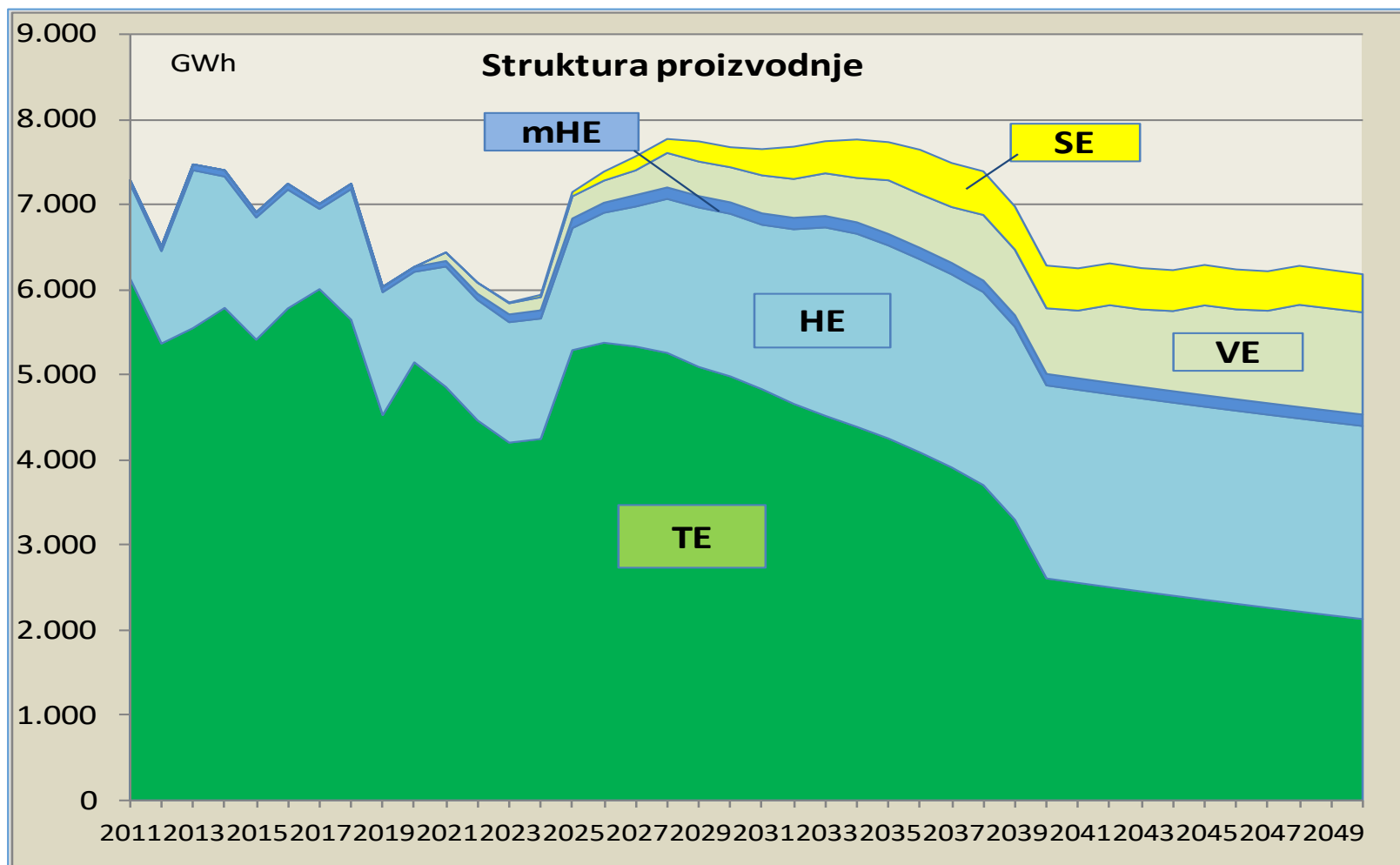
- 2 coal-based power plants, Tuzla TPP and Kakanj TPP.
- 3 large hydro power plants on river Neretva.
- 6 sHPP.
- 1 Wind power park (48 MW).
- Annual generation 7,500 GWh of power and 350 GWh of heat.
- Installed capacity Fossil/RES = 66/33.
- Generation ratio Fossil/RES = 75/25.

EPBiH decarbonization Roadmap 2050



- ✓ **Energy transition and Decarbonization plan until 2050.**
- ✓ **Just transition of coal regions.**
- ✓ **RES projects implementation plan (hydro, wind, solar and biomass).**
- ✓ **Switch (partial or full) thermal gradually from fossils to biofuels.**

EPBiH technological mix 2050 – basic scenario



TE – thermal power plants (coal, biomass, SRF/RDF, natural gas)

HE – HPP

VE – WPP

mHE – sHPP

SE – PV power plants





Intermittent RES projects (Wind parks and Solar power plants) till 2030:

No: 11

Power: cca 650 MW

Annual production: cca 1,500 GWh

CAPEX: cca. 600.000,000 Eura.

Bioenergy options for EPBiH



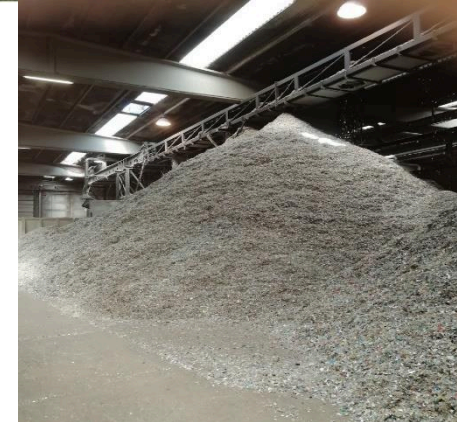
➤ **Waste woody biomass**



➤ **SRC and energy crops**



➤ **RDF/SRF**



Plantation of SRC plants at coalmine areas of EPBiH – in cooperation with USA company E3 International



Tuzla/Kreka miners planting energy crops, April 2021





We think green!

JP Elektroprivreda BiH d.d.-Sarajevo

General Manager