

New TPP Plomin C project will not be profitable, largely because of the inevitable exceeding permitted emissions of CO<sub>2</sub>, which will have to be charged through ETS and finally the overall costs show it will result in increasing of electricity prices.

The most developed countries of the world have decided to make a technological turnaround in their economies in the direction of renewable energy sources not only because of climate change but also to maintain dominance in the world economy. This is a roadmap that all other countries should follow if they want to catch up with the most developed. Croatia at this moment in their development has completely different development path.

The largest energy investment which is planned by power utility company HEP is coal power plant. Instead of the future and new technologies, Croatia in terms of energy turns to the past and the technology of the early 20th century—said Vlasta Toth, a member of the Presidency of the Orah.

HEP'S Director of Strategy and Corporate Development, Ljubica Cvenic, said recently that the construction of TE Plomin C is part of strategy of long-term sustainable development and stable energy and business system of HEP. "HEP intends to apply the best available technology with the best systems to control impact on environmental," said Cvenić adding that the TPP Plomin C is an economically payable project and a great economic potential for the local community. Thanks to its geographical position, Croatia has a huge capacity in renewable wind and solar. This is our energy comparative advantage that should and could enable us to catch up with the most developed and forever ensure energy security and independence.

An alternative to coal

Given the fact that Croatia does not have its own coal, the construction of this TPP continues to remain dependent on imported energy source—rather than use the available own solar, wind and biomass. Certainly, Croatia should not forget the jobs, and these data are on the side of the renewable energy.

According to calculations by UNDP: 800 MW of wind plants through megatender to 2020 open year 1000-1200 jobs; 1,000 MW integrated solar photovoltaic system without incentive to 2020, per year open 2000-3500 jobs; 3 million square meters of solar thermal decentralized solar thermal systems (collectors) to 2020 per year 3000-5000 open jobs. The projected life of TPP Plomin C is until 2060 or even 2065 years. According to the analysis of prof. dr. Sc. Enzo Tirelija, who in the late 90s led the TPP Plomin 2 project, the new TPP Plomin C project will not be profitable, largely because of the inevitable exceeding permitted emissions of CO<sub>2</sub> which Croatia has as an issue which is in line with the ETS, EU will be liable to pay, which will result in increasing electricity prices.



Croatia: Electricity PPA and CO2 costs for new TPP Plomin C will impact overall electricity price

Because of this and because of the negative impact on the environment due to unprofitability and because of the opposition of citizens, it is time that the Government and HEP focus on energy efficiency and renewable energy, not on the old dirty technologies, conclude from Green NGO initiative which is against the project TPP Plomin C unit.