

CO-FIRING MULTIPLE FUELS IN VOJANY THERMAL POWER PLANT

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Rising fuel prices and the steady costs increase of carbon dioxide emissions force the thermal power plants to search for alternative feedstock. Finding a way of cleaner power production is an imperative if a definitive shutdown of ageing coal power plants is to be avoided. Vojany power plant responded to this need a few years ago and started its transformation from a coal power plant to a multi-fuel power source. Positive experiences of coal-wood chips mixture combustion in plant's boilers since 2009 served as a basis for a far more ambitious goal – to gradually replace coal by alternative fuels. Successful tests with solid recovered fuel combustion in 2019 and the permit to use this alternative fuel for power production granted thereafter constituted a breakthrough in the effort to produce cleaner power. Since then, the long-term experiences confirmed the feasibility of plant's operation as multi-fuel power source. In this contribution, the underlying operation experiences are discussed, and basic performance figures are provided, highlighting the plant's transformation as an example that could inspire other power plants in the region to proceed likewise.

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