
2015 IERE – CRIEPI Tokyo Workshop

Business of Coal-bed Methane and Waste Heat Power Generation in NARI, China

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Keywords: **Coal-bed Methane, Waste Heat, Power Generation**

Abstract

Coal-bed methane power generation

This kind of business mainly goes through the drainage of coal mine gas associated (commonly known as coal-bed methane gas in coal mine), to be transported to the gas generator sets for power generation. If the coal seam gas directly emitted into the atmosphere, its greenhouse effect is about 21 times that of carbon dioxide, the extent of damage to the ozone is about 7 times that of carbon dioxide, the use of coal-bed methane power generation, can be "turning waste into treasure", the reduction of greenhouse gas emissions, but also increase the supply of clean energy, has high energy saving and environmental protection value. The power of this type of project does not participate in the auction market does not undertake the task of peak shaving, and electricity price for 0.509 yuan / degrees (subsidies). The business market prospect is good, in general market prices relatively stable. Generally speaking, coal-bed methane power generation business in 3-4 years to recover the investment, and the installed capacity of larger, shorter recovery period.

Waste heat power generation business

This kind of business mainly through the waste heat steam collection of industrial and mining enterprises in the production process, direct drive power turbine generator unit or through the waste heat boiler to drive a steam turbine generator set in power. The State encourages such business, company or unit owners may apply to the local government to apply for energy-saving subsidies (only subsidies once), relative to the investment subsidy, the proportion of small, if the waste heat power generation project for enterprise occupied directly over the Internet, the price is very low about 0.3 yuan / degree, project investment recovery period is long; in general next, this kind of business oriented enterprises own way, price can be discuss to 0.4 yuan / degrees (according to the enterprise use of electricity price adjustment).