

UKRAINE: ELECTRIC POWER PRODUCTION ON STRIPPED CASING-HEAD GAS IN BORYSLAV

Kyoto Mechanism:	Joint Implementation
Project Category (UNFCCC):	Construction of combined heat and power coupling plant
Location:	Boryslav, Lviv oblast
Emission Reductions purchased:	310.000 t CO _{2e}

The project consists of the installation and the operation of a **11,91 MW** unit for the energy production on basis of SCH (Stripped Casing-Head) gas as energy source. SCH-gas emerges as a by product in the local oil and gas production and is entirely flared at the moment.

The gas has to be vacuumed from operated and abandoned oil wells and stripped from heavy liquid fractions of oil. For environmental safety reasons the company is obligated to vacuum Casing- Head gas to avoid gas contamination of Boryslav city, which already has an extremely high background concentration of methane.



Due to the quality of the SCH gas (high oxygen content) there is no consumer, which is able to utilize it. Therefore approximately 3 mill m³ gas is being flared every month.

In order to avoid wasting of SCH gas the proposed project envisages the construction of 6 gas engines and the feeding of the produced electricity into the local grid.

The existing power plants do not meet the energy demand of the region and the local operator of the power grid has to import electricity from other regions of Ukraine. So the above mentioned project can strengthen the economic position of the region and contributes to the security of energy supply.

In the period from 2008 to 2012 the project will generate approx. 310.000 tons of CO_{2eq} by replacement of power in the grid and avoidance of flaring SCH gas.

