



Removal of the low-stack emission in Miechow – the KAWKA project [Poland]

Context

Numerous cities in Poland still use old and inefficient, heating sources, such as coal-fired boilers. In an attempt to implement energy efficient solutions the Miechow municipality applied for funding to the National Fund for Environmental Protection and Water Management. The funding was meant to aid the municipality in their actions for environmental protection included in the “Removal of the low-stack emission in the Miechow Municipality” programme (KAWKA Incentive Program). In two stages, the project tries removing low-stack emission through supporting the energy efficiency development and the development of the distributed renewable energy sources.

Description and Main Objectives

The “Removal of low-stack emission in the municipality of Miechow” programme (KAWKA) involves the replacement of old heating sources with new ecological heating solutions in both public and residential building and housing communities. The project is therefore targeted both at local authorities and individuals living in the local housing communities. The main goals of the project include increasing energy efficiency, reducing greenhouse gas emissions and decreasing the use of hazardous combustion products in the Miechow municipality. The expected effects of the project include a significant decrease in pollutant emission, especially the PM10 and PM2.5 carbon dioxide reduction. In order to achieve the projects’ goals investments will be made for the modernization of individual boilers and local boiler house complexes.

Implementing Structure & Outcomes

The implementation of the programme in the Miechow municipality was carried out by the local authorities, residents and installers. Firstly the municipality of Miechow tabled a motion on low-stack emission reduction. In 2013 they applied for funding to the National Fund for Environmental Protection and Water. After a positive consideration of the request and contract creation the performance of scheduled tasks proceeded as planned.



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The performed modernizations included:

- The exchange of coal-fired boiler house complexes for new gas boiler complexes
- The exchange of coal-fired boilers for new electric boilers
- The installation of water condensation boiler house complexes
- The installation of individual gas condensation boilers in residential buildings

The second stage of the programme is still in place and additional modernizations are planned.

Time Frame and Financing Costs

The programme started in 2014 and the first stage lasted until 2016. The second stage was initiated in 2015 and is still being realized in 2017. The planned total cost amounted to 541 377.92 EUR for the first stage and 822 635.21 EUR for the second stage. The Regional Fund for Environmental Protection and Water Management in Krakow and the National Fund for Environmental Protection and Water Management covered 45% of the planned total cost respectively. The municipality of Miechow covered 10% of the investment with local funding.

Contacts & Links

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