



## Impact & Next steps

The benefits of the Kněžice project are twofold: firstly, they lie in saving of fossil fuels and the reduction of harmful emissions in the municipality. Secondly, the amount of electricity produced by the cogeneration unit in Kněžice will not be produced in Czech coal power plants. Overall, about 11 000 tons of CO<sub>2</sub> emissions will be saved per year. One-year financial benefit for the municipality as a heating plant operator will be about 4.2 million CZK (166 000 euro). Therefore, despite the relatively high purchase price of electricity from a biogas plant and considering the payment of the loan, the return on investment will occur in about 15 years.

## Replicability: Challenges & Success Factors

In order to launch a similar project, the municipality recommended:

- to have a long-term vision of community development and its future energy performance;
- to ensure long-term supply of raw materials for BGS at a favourable price;
- not to underestimate the communication of the technology and the overall project to citizens;
- to emphasize the benefits in the form of user comfort and quality environment.

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