

Selected References

Regional and Municipal Energy Supply Concepts

Engineering GmbH

H&C VGU

Energy • Hydrogen • Environment

Mozartstr. 4

D-51643 Gummersbach/Germany

Telefon: +49 2261 / 804640

Telefax: +49 2261 / 804641

e-mail: chughtai@huc-vgu.de

<http://www.huc-vgu.de>

July 2006

Regional and Municipal Energy Supply Concepts

Energy concepts, Energy insertion optimization, Energy supply, Energy saving, Energy consultancy

Customer

Project

Municipal Engelskirchen

Energy supply concept

Preparation of a skeleton concept, Part concepts, Close-range heating and take-over

Municipal Selm

Energy supply concept

Preparation of a skeleton concept, and calculation of electric power costs.

Municipal Lohmar

Energy supply concept

Preparation of a skeleton concept, with main objectives: Public facilities, regenerative energy sources including biomass.

Municipal Lindlar

Energy supply concept

Preparation of a skeleton concept, with main objectives: Peak load analysis in industry sector, Economic analysis of transmission line take over, Measures to reduce energy costs in different public sectors, Utilization of gas from biomass landfill.

Institute for country and city development

Development of software to calculate the heating costs in the buildings for different cost categories.

Municipal Kürten

Energy supply concept

Preparation of a skeleton concept, with main objectives: Peak load analysis in industry sector, Economic analysis of transmission line take over, Measures to reduce energy costs in different public sectors.

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Customer

Project

Municipal Overath

Energy supply concept

Preparation of a skeleton concept, with main objectives: Economic analysis of transmission line take over, Measures to reduce energy costs in different public sectors.

Municipal Lear

Energy supply concept

Preparation of a skeleton concept, with main objectives: Economic analysis of transmission line take over, Measures to reduce energy costs in different public sectors. Measures for rational energy and waste management in sewage water treatment and neighboring gardenings.

City Zella-Mehlis

Energy supply concept

Preparation of a skeleton concept with a special consideration of already available heat through 3 different companies. The main objective was to replace many single brown coal fired ovens through an economical and ecological variant.

City Schleusingen

Energy supply concept

Preparation of a skeleton concept with the major point, under which circumstances a city own organization could be established for

- Utilization of hydropower
- -Electric supply net evaluation
- Examination of franchise agreements

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Customer

Project

**GEWOG GmbH,
Bad Salzungen**

Concept of combined heat and power generation

A community of 2500 houses could be supplied with heat and electricity with a cogeneration plant. An economic analysis was carried out.

**Municipal
Niederwillingen**

Concept of heat supply through a heating power station or cogeneration plant.

In the suburb area of Niederwillingen many single brown fired ovens have to be replaced. It was evaluated under which boundary conditions a central heat supply is more economical.

**Gasgesellschaft
Aggertal**

Feasibility study

Measures to reduce the room temperature in a gas motor station.

Thüringen Profil mbH

Energy optimization

Measures to reduce energy consumption through optimal selection of water heater. A selection was made under the consideration of energy supply conditions.

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Customer

Project

Möbel GmbH Ohrdruf

Energy optimization

Measures to reduce energy consumption through optimal selection of water heater. A selection was made under the consideration of energy supply conditions with a new type of combustion technology.

Municipal Much

Energy supply concept

Measures to reduce energy costs in public buildings, evaluation of cogeneration plant, reduction of energy costs for street lighting installation of a energy control system for public buildings.