



City of Stuttgart work program

1. energy balances

- methods + data base for producing balances
- development of municipal energy balances
- knowledge transfer
- climate and energy program

2. municipal real estates

3. municipal instruments and influence capability

4. municipal pilot projects

5. contribution to the overall project



Climate and energy program

1. Sustainable urban development
2. Energy saving and energy efficiency
3. Environment-friendly traffic development
4. Soil protection
5. Water protection
6. Sewage water
7. Waste management
8. Advisory service and public relations
9. Research
10. Networks



**Goal 2020: CO₂-emissions - 40 %
20 % renewable energy supply**



City of Stuttgart work program

1. energy balances
2. municipal real estates
 - knowledge transfer among the participating municipalities
=> workshop
 - further development of the energy management
3. municipal instruments and influence capability
4. municipal pilot projects
5. contribution to the overall project



Workshop

- topics
 - Instruments of Stuttgart energy management
 - the energy guideline of the city
 - best practice examples of the city (completed projects and new planned projects)
 - energy concepts (for housing areas)
 - city internal contracting (a financing tool for energy efficient measures)
- knowledge transfer
- date: November 2008



City of Stuttgart work program

1. energy balances
2. municipal real estates
- 3. municipal instruments and influence capability**
 - knowledge transfer concerning guidelines, ordinances, energy sources, city-internal-contracting, the energy control
 - the energy guideline of Stuttgart
4. municipal pilot projects
5. contribution to the overall project



Energy guideline

New guideline agreed at 14. June 2005 by the city council

Valid for all municipal departments and companies

Contents:

- responsibilities, procedures, rules
- operating manuals for heating, climatisation, electricity, water
- behavioural hints for municip. staff
- planning directives for heating, climatisation, electricity, water
- economic considerations and results of energy appliances
- energy utilisation diary
- operation diary



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1. energy balances
2. municipal real estates
3. municipal instruments and influence capability
- 4. municipal pilot projects**
 - retrofitting of the “Uhlandschule” in Stuttgart to a plus-energy-school
5. contribution to the overall project



Plus-Energy-School



main building

gym



The “Uhlandschule” in Stuttgart-Zuffenhausen, built in 1954.



School Exchange



- primary and secondary school
- Age: 6 to 16 years
- 443 pupils

Structural damage





Structural damage





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