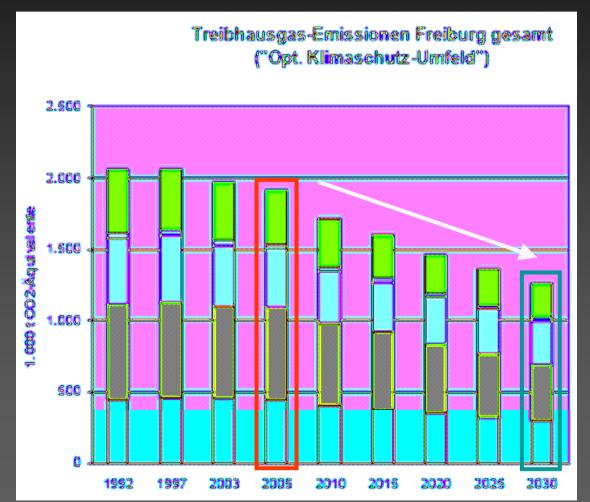
Main "energy consumers" – "CO₂ producers"



traffic city administration industry craftsmen, trade... households



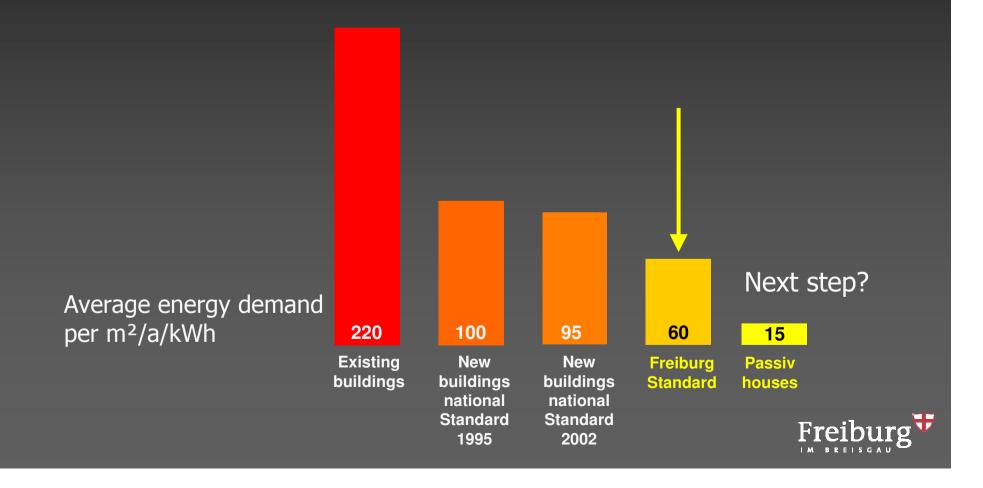
Examples examples

- Urban planning (households)
- Transportation policy (traffic)
- City as role model (city administration)
- Cooperation, Networking, Communication (industry, trade, craftsmen)

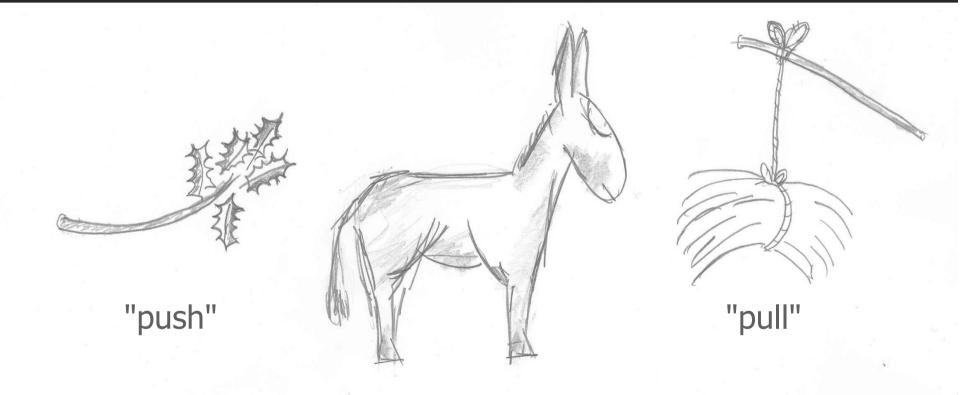


Urban planning – new buildings

► Importance in the field of energy demand



Urban planning – looking at the instruments...





Urban planning – new city quarters



► In the past:

Non consistent consideration of energy aspects in planning process
 Need of <u>quidelines</u> within administration

- Conclusion:
- ► Aim:

Early consideration of energy aspects in planning process



Urban planning

Result: <u>Energy Guidelines</u> for planning of new city quarters -Decision by city council!

Solar aspects, energy conception, communication





Traffic reduction

 ("City of short distances")



- 2. Shift from individual motor car traffic use to public transport and bicycles
- 3. Lasting motor car traffic: Arrange and plan as environmental friendly as possible



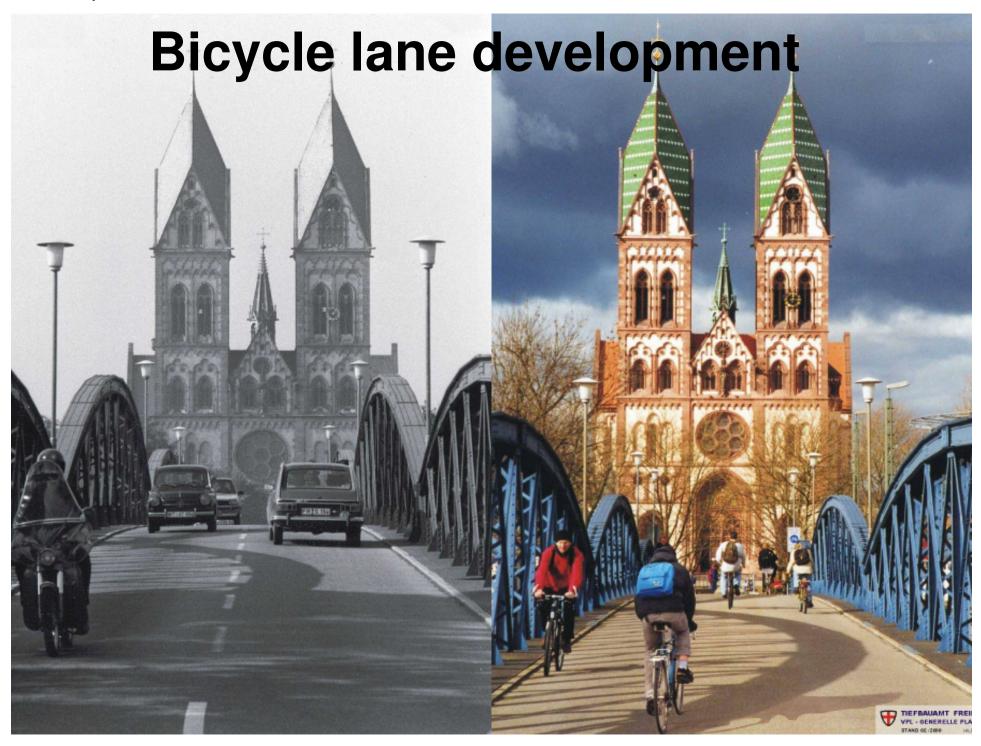
► 70ies...







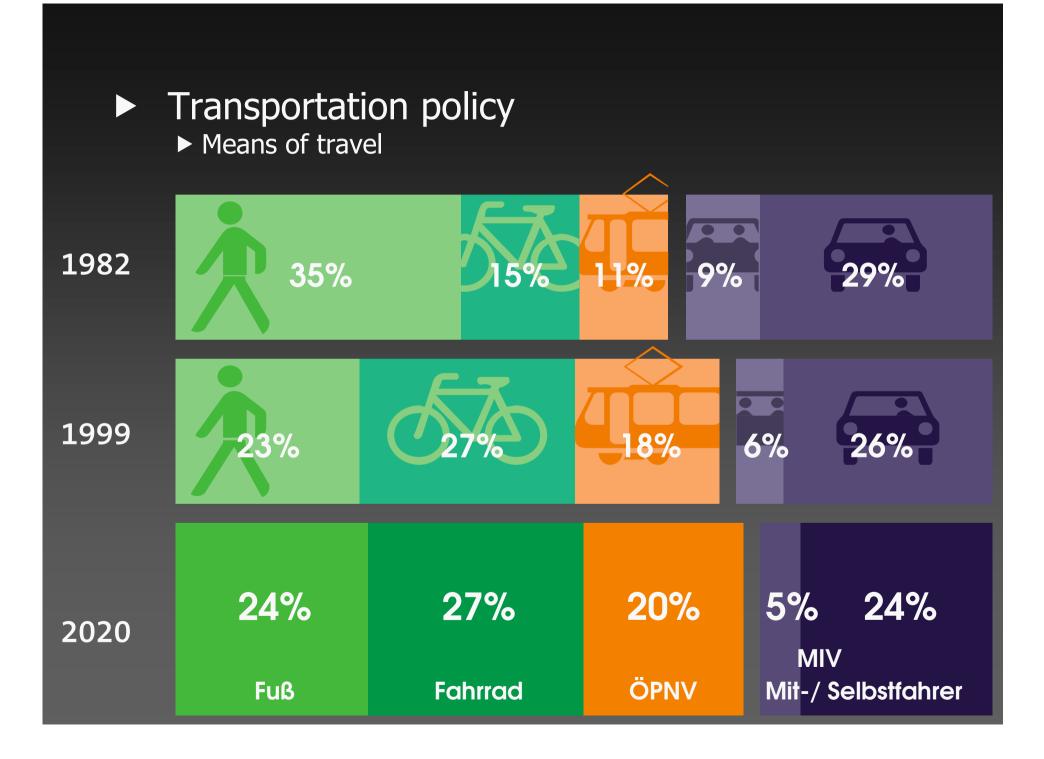






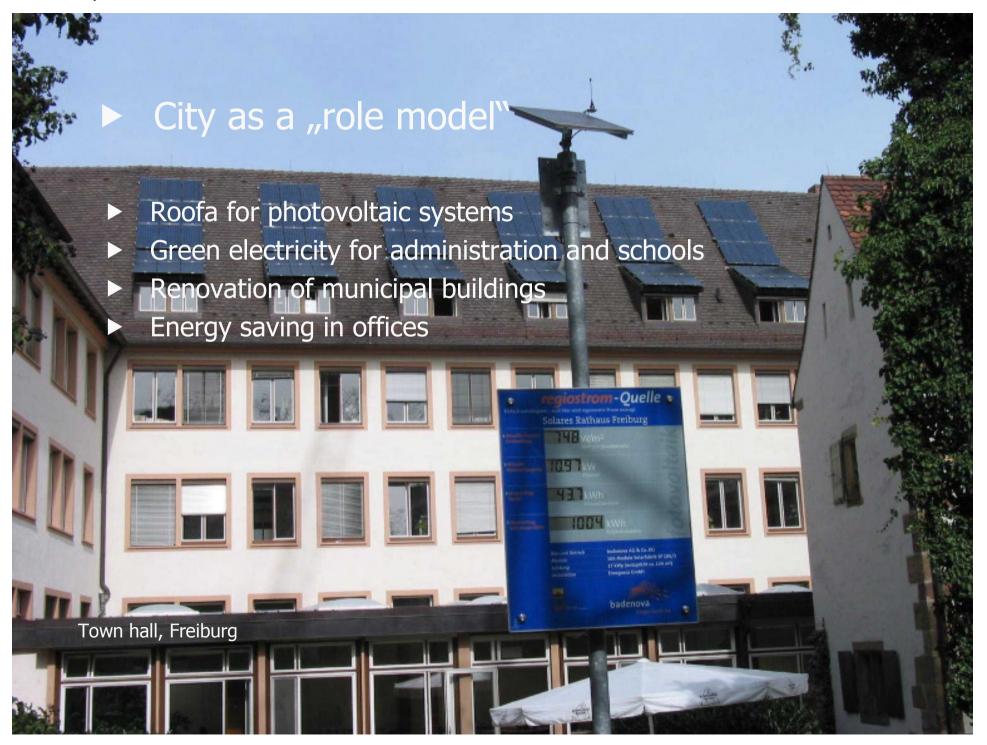
Bicycle paths in total: 410 km



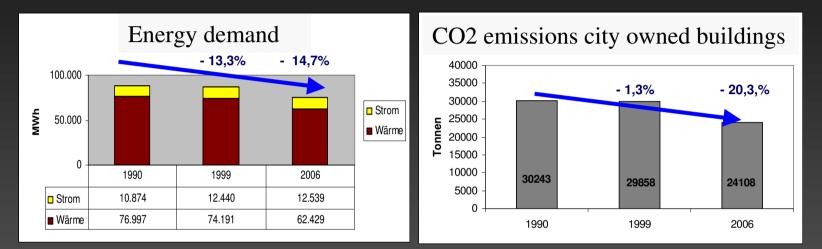




Annex A - part 2



City as a "role model" – energy management



CO₂- reduction 1990-2006: 20% (increasment of floor space meanwhile: 17%)



Renovation: Low Energy Building



Cooperation, Networking

- Get stakeholders involved: Energy supplier, industry, skilled trades, banks, training institutions, building companies, NGO, citizens!
- Be positive and convincing; Take the concerns of stakeholders seriously; Positive Examples – Pilot projects



Solar Info Centre Freiburg (SIC): Institutions, consulting engineers



Communication

Citizens individual web-based CO₂ footprint calculator







National conditions

- National climate protection goals (related to European and International objectives)
- National acts: e.g. Renewable Resources Act (EEG)
- National subsidy programmes for energy efficiency (loans for ecological construction of buildings, co-generation)



Mit Warnedamung and dem Anriausch verälteter theirungsnalagen und Fenster können Sie Ihre Heirkorten spurbar senken. Darüber hinaus leisten Sie durch OD₂-Gebäudesanierungt einen entscheitlenden Betragt für dem Elimaschutz. Auteen Sie dezhalb die staatliche Forderung und stellen Sie jezt line Heirung auf moderne Anlagentechnik um. Nähere Informationen zu unseren Förderprogrammen unter wiese energie-fuer-mörgen.de



Conclusion

- 1. Local strategies: Define assets and resources
- 2. City council: Decision on targets
- 3. Evaluation: Regular monitoring
- 4. Concentrate: Main fields of action Get started!
- 5. City planning: Early consideration of energy aspects
- 6. Be positive: "City" as role model
- 7. Cooperation Communication: Get local stakeholders and citizens involved
- 8. City networking: Learn from others





What could we do if everyone said what will we do and nobody stepped forward to see what might be done if only we do.

Kurt Marti



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Be pioneers, Take the lead, Citizens are ready to follow!

