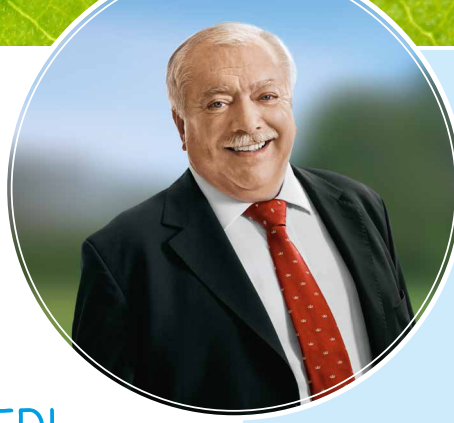




Initiative
"RESPONSIBLE
COOLING"

2013 Report



Mayor Michael Häupl
supports the Responsible Cooling initiative

RESPONSIBLE COOLING IMPLEMENTED – AND CO₂ EMISSIONS REDUCED!

Vienna is setting an example for climate protection with the Responsible Cooling initiative.

The number of days on which Vienna's residents have to deal with high temperatures has increased in recent years – temperatures above 30 degrees were not a rarity this summer.

As the number of hot days increases, so does the demand for cooling. Conventional cooling measures such as air conditioning are often associated with high electricity consumption. As a result, the authorities responsible for climate protection in Vienna's city administration are already observing a continual rise in final energy consumption.

With the Responsible Cooling initiative, which is being implemented under the patronage of Vienna's mayor, **Michael Häupl**, the Executive Office for the Coordination of Climate Protection Measures (MD-KLI) is showing that climate protection and cooling do not have to be conflicting goals.

New initiatives will enable us to achieve the 2020 climate protection targets together!

**All the details about the campaign are available at:
www.wien.gv.at/umwelt/klimaschutz**



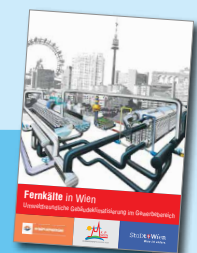
Launch of the campaign: The opening of the Schottenring district cooling centre by Vice-Mayor Renate Brauner.

VIENNA'S BIGGEST REFRIGERATOR GOES ONLINE

The Schottenring district cooling centre went into operation on 29 April 2013, just in time for the warm summer months. The opening of the Schottenring district cooling centre by Vice-Mayor Renate Brauner also marked the launch of the Responsible Cooling initiative.

District cooling is an important energy efficiency measure for the environmentally friendly cooling of buildings. Commercial customers such as hotels, university buildings and companies can use district cooling. This can save electricity, CO₂ and money compared to conventional air conditioning!

The Schottenring plant can reduce CO₂ emissions by a total of 1,447 metric tons a year.



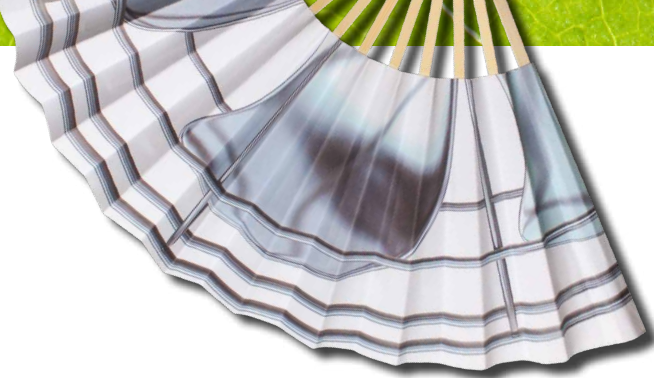
FURTHER READING

The advantages and functionality of district cooling are summarised in the brochure "Fernkälte in Wien" (District Cooling in Vienna).

This brochure can be requested by residents and is also available for download at: www.wien.gv.at/umwelt/klimaschutz/publikationen



Several thousand paper fans
helped people cool off



COOL CLIMATE WITHOUT ELECTRICITY

Just in time for the first hot days in June, the MD-KLI distributed several thousand paper fans in cooperation with City Councillor Christian Oxonitsch and the Administrative Group for Education, Youth, Information and Sports.

The fans featured the slogan “cooles Klima – ohne Strom” (Cool climate without electricity) and were distributed at the Vienna City Information Centre and at all of the Municipal District Offices. People also used these practical and chic accessories to cool off at events such as the fashion show at the Hetzendorf Fashion School, the Vienna Wine Festival at Arkadenhof, the Strategie Dialog conference and the mayor’s media interviews.



City Councillor Christian Oxonitsch and Peter Kozel (head of Municipal Department 55 – Community Services) help provide a cool breeze in the hot summer.



Vice-Mayor Maria Vassilakou and Bernd Vogl
(head of Municipal Department 20 – Energy Planning)

Available for download at:
<http://www.wien.gv.at/umwelt/klimaschutz/publikationen>

SPACE COOLING WITHOUT ANY AIR CONDITIONING

In order to counteract the rising energy consumption caused by conventional climate control measures, the City of Vienna is pursuing the strategy of avoiding the need for cooling, primarily through structural measures.

As part of the Responsible Cooling initiative, Vice-Mayor Maria Vassilakou presented the comprehensive guidebook “Sonnenschutzsysteme – Klimatisierung ohne Klimaanlage” (Solar Protection Systems – Climate Control without Air Conditioning) produced by Municipal Department 20 – Energy Planning. The brochure provides an overview of innovative solar protection technologies for buildings.

COOL IN THE SUMMER

The new brochure “Kühl und behaglich durch den Sommer” (Cool and Comfortable in the Summer) offers Vienna residents valuable tips for responsible and energy-efficient cooling.

The brochure was designed in cooperation with Wien Energie and the KLiP expert network and is available at the Wien Energie Haus and at all of the Municipal District Offices. It is also available for download at the web sites of the City of Vienna and Wien Energie:

www.wienenergie.at/media/files/2013/kühl_und_behaglich_durch_den_sommer_100305.pdf





All new buildings that are constructed as part of the City of Vienna's Hospital and Geriatrics Concept conform with low-energy standards.

Sonja Wehsely
City Councillor for Public Health
and Social Affairs

SUSTAINABLE COOLING

Particular emphasis was placed on sustainability in the construction of Vienna North Hospital.

The building conforms with low-energy standards, which ensures that the temperature does not exceed 26 degrees in any of the rooms.

This is achieved through environmentally friendly component activation and, depending on the requirements, through the partial or full air conditioning of the building. Energy usage is minimised through an energy recovery system.



HEAT SOS

High temperatures are a huge burden, especially for the elderly, the chronically ill and children.

City Councillor **Sonja Wehsely** and the MD-KLI provided valuable tips in the City of Vienna's media about how to enjoy summer in the city even when the temperature gets hot.



Fresh fruits help fight the heat: tips from City Councillor Sonja Wehsely



HEAT IN THE WINTER – COOL AIR IN THE SUMMER

The Vienna Transport Authority and the City of Vienna once again demonstrated the city's role as a leader in environmental protection during the extension of the U2 metro line.

At four new U2 metro stations, the tunnel walls were equipped with geothermal energy absorption technology, which allows the naturally available geothermal energy to be used for heating and cooling the stations. That makes passengers happy and is also good for the environment!



GREEN JOBS

The investments made under the Climate Protection Programme secured more than 58,600 jobs in 2011 alone.

Maria Vassilakou
Vice-Mayor



HOT SUMMER – COOL CITY

The brochure “Heißer Sommer – coole Stadt” (Hot Summer – Cool City) provides tips on how to have a cool time in the city despite the summer heat.

Published in five languages, this brochure is particularly geared towards Vienna’s many tourists and provides information about “cool” places in Vienna. The locations described in the brochure are extremely diverse and range from swimming areas and shady parks to restaurants with outdoor seating and Vienna’s cool, green hideaways such as the Lobau.

The brochure is available for download at:
www.wien.gv.at/umwelt/klimaschutz/publikationen



Annual greenhouse gas emissions reduced by 3.7 million metric tons of CO₂ equivalent!

Christine Fohler-Norek
Climate Protection Coordinator
for the City of Vienna

ÖKO BUSINESS NEWS



ÖkoBusiness News, the magazine of ÖkoBusinessPlan Wien, is published four times a year and covers a wide range of topics.

Issue number 2/13 devotes an entire page to the Responsible Cooling initiative and presents the campaign in detail. Printed copies of the magazine can be ordered online for free.

All issues of ÖkoBusiness News are available at:
www.wien.gv.at/umweltschutz/oekobusiness/news.html

GREEN WALLS – COOL ROOMS



Facade greening offers major ecological advantages: It has a cooling effect on the interior spaces and on the microclimate in the building’s surroundings.

This is why the City of Vienna is supporting the creation of green walls. A green facade was installed at the headquarters of Municipal Department 48 in a pilot project.

The experts at Municipal Department 22 have also published a guide for builders and architects.

The facade greening guide is available at:
www.wien.gv.at/umweltschutz/raum/fassadenbegruenung.html

Facade greening is not only ecologically sensible, but also attractive.

Ulli Sima
City Councillor for the Environment



OUTLOOK

The Executive Office for the Coordination of Climate Protection Measures offers up-to-date information on the Responsible Cooling initiative on its web site, including tips for residents.

www.wien.gv.at/umwelt/klimaschutz

In subsidised housing construction, we make sure that the design of the building prevents homes from getting too hot.

Michael Ludwig
City Councillor for Housing,
Housing Construction and
Urban Renewal



Upcoming events:

On 17 October 2013, the First Austrian Climate Control and Refrigeration Day organised by the industry magazine HLK – Heizung Lüftung Klimatechnik will be held in Vienna.

The symposium will provide answers regarding success factors in the commercial climate control and refrigeration sector and present sophisticated climate control and refrigeration technologies that can make an essential contribution to climate protection.

Alexander Wallisch (Wien Energie GmbH, Heating and Cooling Projects department) will explain district cooling to the industry experts, including a presentation about the fundamental considerations and their advantages and disadvantages based on the projects that have been realised.

EXCERPT FROM THE PRESS REVIEW

Rathauskorrespondenz articles on the Responsible Cooling initiative

- Vienna's biggest refrigerator goes online (29.4.2013)
- Heat wave in Vienna (19.6.2013)
- Climate protection initiative: "Cool climate without electricity" paper fans (24.6.2013)
- Space cooling without any air conditioning (4.7.2013)

Rathauskorrespondenz articles that are related to the topic but were published independently of the initiative:

- Sima: Over 900 drinking fountains with free, refreshing Viennese mountain spring water throughout the city (20.6.2013)
- Sima: Facade greening creates new green spaces in Vienna and has a cooling effect (28.6.2013)
- Wien Kanal: "Cool" summer promotion for the Third Man Tour (4.7.2013)

Articles in print media (selection):

- **Die Presse** (30.4.2013): New district cooling centre goes online
- **Der Standard** (30.4.2013): New district cooling for universities and companies in Vienna
- **Wiener Zeitung** (30.4.2013): District cooling is making waves
- **Österreich** (30.4.2013): District cooling for the city
- **Wien.at aktuell** (5/2013): Interview with the MD-KLI
- **Wien.at** (5/2013): Smart concept for space cooling
- **Wien.at** (6/2013): Who's afraid of the heat?
- **Energie** (5/2013): Staying cool in the height of summer
- **Forum Gas Wasser Wärme** (3/2013): Schottenring district cooling centre
- **HLK** (5/2013): Vienna's biggest refrigerator goes online
- **Die Welt (Deutschland)** (22.6.2013): Gigantic refrigerator – district cooling

TV programmes

- **ORF2, Heute Infos & Tipps** (30.04.2013): District cooling
- **ORF2, Heute Infos & Tipps** (30.07.2013): Space cooling with presentation of the "Cool in the Summer" brochure
- **W24, wien.at-TV** (9.8.2013): District cooling

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