

CITY OF BESANÇON



Energy and Climate Policy of the City of Besançon

Energy sobriety as a slogan

Sustainable development is a long-standing concern to the City of Besançon (situated in the Doubs department), the capital of Franche-Comté with 122 000 inhabitants.

Since the 70s, the city has been actively committed to a policy of energy conservation in its public and heritage buildings. As part of this policy, it has also set up a properly integrated system of public transport. From 2001 to 2005, it developed the local Agenda 21, and in December 2007, it won the Cit'ergie label (French declination of European Energy Award), recognized all over the continent.

The current phase involves the implementation of the Territorial Climate and Energy Plan, in close collaboration with the Greater Besançon, in order to achieve the EU « 3 x 20 » target by 2020. The city's energy and climate policy is developed according to the "Factor 4".

In the area of urban planning, through its PLU (*Plan Local d'Urbanisme* – local spatial planning scheme) of July 2007, Besançon provides for each of its urban development projects a proper incorporation of the Environmental Approach to Local Planning (*Approche Environnementale de l'Urbanisme*). As for the project specification, it is elaborated in compliance with such issues as land disposals, energy performance standards and use of renewable energy. The Vaîtes sector of 40 ha, is one of those sites, where the above-mentioned criteria have been taken into account.

As for its public and heritage buildings, since the 70s, the city of Besançon is actively committed to a policy of energy management through Energy Territoria. It also developed a remote management system for municipal boilers and public lighting.

The Wood Energy Plan was adopted in 2006 for the period of 2007-2013. It foresees to replace gas boilers with wood boilers, with the objective of setting up ten sites in five years, in order to replace 15% of natural gas. Solar thermal energy is also an alternative to fossil fuels, either in the form of installations on rooftops of municipal buildings (the Crèches Solaires - Solar Nursing Schools-operation of 2008 is an example), or through financial support, which has been provided to the residential sector since 2006.




Know-how on the use of forest resources

Since 2006, the urban heating has an automatic wood boiler of 7.3 MW, the fourth in the region, which thus completes the city's energy mix and proves that the city of Besançon has shown its willingness to develop the energy chain on the local level. This boiler can supply the equivalent of energy used in 2 500 apartments situated in Planoise or Hauts de Chazal districts. Such use of wood can replace heavy fuel oil.

The development of the wood energy sector is strengthened by the collaboration of the municipality with its urban agglomeration, which has put into service a local platform for storing and drying wood.

« Fontaine-Eco, and you? »: a demo flat in Besançon

Keywords	Behaviour change in housing: education, energy & water savings, waste reduction
Main photos	<p style="text-align: center;">Energy, water, waste: a flat where every move turns into savings</p> 
Objectives of the action	<p>While visiting this demo flat, the citizen gets the motivation to reduce his or her negative impact on the environment by adapting particular daily activities and purchase habits. The initiative is both educational and practical, as it highlights the eco-citizenship as a means of reducing expenditures.</p>
Description of the action	<p>Since spring 2007, preparatory work has been undertaken with local residents of the Fontaine-Ecu neighbourhood (220 households concerned) to inform them about the project and involve them in the selection of messages that should be passed on to future visitors.</p> <p>Household appliances and graphics depicting activities of everyday life are presented in an educational way to encourage visitors to reduce water and energy consumptions, as well as waste production. Some of the drawings and posters have been prepared by youth from the neighbourhood, supervised by professional graffiti artists.</p> <p>Starting with February 2008, the flat is open during two half-days per week. It is occasionally open on request. At the visiting time, an energy information advisor and a social advisor from CCAS (Municipal Centre for Social Action) are present.</p> <p>In 4 sessions, groups are guided and encouraged to examine what the exhibition has to offer. They discover the potential of energy and water savings, as well as the possibility of waste reduction. The emphasis is put on visitors' participation and sharing of experiences, on the basis of activities already carried out in the past and those which are being discovered in the flat. A kind of personal act concludes the visit in order to fulfil the eco-citizen's commitment.</p>
Results / achievements	<p>Points to note:</p> <ul style="list-style-type: none"> ✓ Many partners involved in the initiative, comprehensive approach to housing issues, transversal themes (energy, water, waste, purchasing choices, household budget, etc.) ✓ Implementation of an innovative project, preceded by a wide consultation process (surveys carried out in the neighbourhood, concerning the relevance and contents of the initiative, use of graffiti for playful illustration of the flat, etc.) ✓ The project delivers a perspective for future service provision ✓ It also becomes a medium for involvement of a network of actors, promoting activities for all age groups (Council of Elders, etc.) ✓ Training of relay structures for a replication of the initiative with other partners
Advice for replication	<p>Before the creation of the scheme, it is necessary to fully understand its mode of operation and resources necessary for its optimized "use".</p>
Online information	<p>http://www.besancon.fr/index.php?p=978&art_id=3260</p>
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Participants



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Né dans l'ouest de la France en 1959.

Formation : Ingénieur de l'Institut National des Sciences Appliquées de Rennes - option génie civil et urbanisme.

Directeur Général des Services Techniques - Urbanisme - Environnement de la Ville de Besançon qui regroupent les compétences espaces publics, urbanisme, grands projets urbains, architecture et bâtiment, eau et assainissement, maîtrise de l'énergie.

Parcours professionnel : Direction des services techniques des Villes de Granville (1985/1991) et d'Alençon (1992/1999) dans l'Ouest de la France puis de Chalon-sur-Saône (2000/2008) dans le Centre Est.



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Directrice de la Maîtrise de l'Énergie – Ville de Besançon

Née en 1961, vit et travaille en France

Centre d'intérêts : Politique énergétique et climatique avec les acteurs du territoire.

Expertise dans tous les domaines de l'énergie des collectivités, ainsi qu'en qualité environnementale.

Fil conducteur des actions : Aller plus vite, plus loin – Chacun est acteur à son niveau.

Premières études dans le domaine de l'énergie, puis titulaire d'un Master Pro Environnement et Risques Naturels, Industriels et Urbains.

Parcours professionnel : Expert à l'ADEME Énergie et qualité environnementale en aménagement et bâtiment, Directeur Technique de l'agence locale de l'énergie du Grand Lyon, Contrôleur de délégation Service public gaz et électricité dans un syndicat d'énergie, pour aboutir à la mise en oeuvre, depuis janvier 2006, de la politique Énergie et Climat de la Ville de Besançon.