

MountEE - Energy efficient and sustainable building
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BEST PRACTICES AS FOR SUSTAINABLE CONSTRUCTION AND RETROFITTING OF BUILDINGS IN THE RHÔNE-ALPES REGION

EXEMPLE OF A LOCAL ENERGY POLICY :
**THE NEW LOCAL ENERGY POLICY OF THE VOIRON-
NAIS TERRITORY - 2012-2020**



| Rhône-Alpes Region | Rhônalpénergie-Environnement |
|---|------------------------------|
| <p>The urban community of the <i>Pays voironnais</i> (34 municipalities - 92 000 inhabitants) is in charge of environment and living issues, economic development, planning development, travels, social issues and town policy. After an operation of thermal improvement of buildings and the adoption of the Energy Climate Plan, the <i>Pays Voironnais</i> has defined a new local energy policy 2012-2020 based on the analysis of long term energy stakes as well as acquired experience. It proposes to work on different thematic : the energy efficiency of public buildings, the energy efficiency of housing (social owners, low-revenue household, individual owners, co-owners), the energy efficiency of renewable energies, advice and promotion of energy sobriety.</p> | |
| <p>Context and objectives</p> <p>Since 2002, the Pays Voironnais has been developing a local energy policy for energy conservation and development of renewable energies. From 2007 to 2011, in collaboration with the French Environment and Energy Management Agency and the National Housing Agency, it has led an action for the thermal and energy improvement of buildings. The objective was to test the involvement of the local authorities to lead and support works for the improvement of the energy efficiency of existing buildings. And since 2006, the Pays Voironnais is involved in the working out of an Agenda 21 and the local Energy Climate Plan. Both have been adopted in May 2012.</p> | |
| <p>Description</p> <p>Orientations of the new local energy policy are the answers of the territory to the issues and regulatory obligations in a long-term vision. Axes proposed for the new local energy policy 2012-2020 are :</p> <p>1. Energy efficiency of public buildings</p> <ul style="list-style-type: none"> - <u>Management of public energy consumption</u> <ul style="list-style-type: none"> ▲ To centralise the monitoring of energy consumption ▲ To prepare the opening of energy market ▲ To set up a Shared Energy Advice to municipalities - <u>Renovation of public buildings</u> <ul style="list-style-type: none"> ▲ To define a pluriannual planning for energy improvement works ▲ To support the exemplary retrofitting projects led by the municipalities <p>2. Energy efficiency of housing</p> <ul style="list-style-type: none"> - <u>Support to projects for co-ownership housing retrofitting</u> Specific approach, bank loan at a subsidized rate and financial support to thermal insulating. - <u>Support to projects for social housing retrofitting.</u> Urban restructuring of the four main areas of social housing, and management of a program of the Rhône-Alpes Region supporting the low-energy rehabilitation of social housing in 3 years (2011-2013). - <u>Support to projects for housing retrofitting of low-revenues household</u> (Housing system in favour of fight against energy vulnerability). Support and funding for energy renovation for forty households, homeowners, with low revenues, per year. - <u>Support to thermal insulation for individuals</u> Advice permanences and specific assistance to thermal insulation with about forty cases financed per year. <p>3. Energy performance through renewable energies</p> <ul style="list-style-type: none"> - Support the renewal of obsolete wood boilers. Financial support (as scrappage) for the renewal of open inserts by high energy performance equipment. - Start thinking about supply with local wood of existing boilers and district heating networks in connexion | |



with the platform of wood chips in Charavines.

- Maintain a financial support for the installation of an individual solar water heater.
- Study the feasibility of a ground-based photovoltaic solar unit, installation of solar panels in the main buildings of the , small hydro and biogas projects.

4. Advice and promotion of energy sobriety

- Continued action « Espace Info-Énergie » for individuals with evolution to a mobile permanence on the territory. Promotion of saving behaviors with inhabitants and socio-economic actors.

Budgets, costs and financing

Cost of this new local energy policy is estimated at 720 K€ per year. However, the mobilization of substantial financial resources, and yet limited, involves a strategic planning of actions to implement. Thus for 2013, a budget of 300 K€ was allocated to energy policy of the Pays Voironnais.

Summary of the forecast budget for 2013

| | ACTION | FORECAST BUDGET 2013 |
|-------------------------------|---|----------------------|
| CO-OWNERSHIP BUILDINGS | Organisation and follow up of the action "Co-ownership buildings" by a recipient in the framework of the OPAH (improved housing operation) market | 45 000 € |
| | Support to renovation projects of co-ownership buildings | 75 000 € |
| MUNICIPALITIES | Support to renovation projects of municipalities | 60 000 € |
| | Further experimentation of the Shared Energy Advice with small towns | 20 000 € |
| | Support to wood energy district heating (provision) | 15 000 € |
| INDIVIDUALS | Maintening of Info-Energie permanences by AGEDEN | 18 500 € |
| | Support to thermal insulation | 25 000 € |
| | Support to renewable energies (stove and solar water heater) | 15 000 € |
| ADVICE and CAMPAIGN AWARENESS | Promotion action for energy sobriety and communication | 25 000 € |
| TOTAL | | 298 500 € |

Main results and success factors (objectives)

The main success factors are linked to the fact that :

- this policy is built on the basis of successive territorial projects and is already well established
- specific actions by target
- is based on a double action of advice/assistance and financial support to projects.

Concrete results are expected in all thematics of energy policy of the territory and especially :

- involvement of all actors and especially citizens



- a real dynamic for renovation of the public and private property with at the same time an increase in the demand and an adaptation of the offer by professionals
- a reinforcement of requests and a more frequent use of biobased materials
- a contribution to the preservation of the air quality
- a development and a sustainability of renewable energies

Dates and duration

This new local energy policy of the Pays Voironnais became a reality after several significant transactions, including:

- ◆ 2010 à 2012, developing two joint approaches to sustainable development: Agenda 21 and Territorial Climate Energy Plan with different actors of the territory
- ◆ September 2012, approval of the broad guidelines of the new Local Energy Policy of the Pays Voironnais.
- ◆ 2012 à 2020, deploying the Local Energy Policy of the Pays voironnais. The implementation of each measure of energy policy will be subject to specific discussions.

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