

## **Solar urban planning**

The Local state of the art in Giurgiu

### **Entity**

Giurgiu Municipality

### **Developers**

Afrodita Grădinaru

8th February 2010

## Índice

Solar urban planning .....	1
1 Political, Legal and economic framework .....	3
1.1 Is there a local energy plan or energy strategy in your city? What are the main objectives and targets towards energy efficiency and renewable energies? .....	3
1.2 Local thermal building regulations and/or building energy certifications.....	3
1.3 Existing local solar photovoltaics/thermal/renewable obligations.....	3
1.4 Financing mechanisms and available subsidies at local level for adopting solar technologies?.....	3
2 Urban practices framework.....	3
2.1.1 Describe briefly the main criteria on the current urban practices, e.g. guidelines for urban plans development and requirements on solar urban planning if these exist. If there are no guidelines on solar urban planning, explain the political process for developing the legal bounding framework. At what administrative level would a solar urban planning obligation be decided and managed? How much time would/can such a process last? .....	3
2.2 Do you or would you face problems with large exemption categories, e.g. historical buildings or landscape protected areas? 4	
2.3 Which are the local stakeholders involved in promoting solar urban planning and what is their attitude towards renewables obligation (e.g. are building companies used to renewables)?.....	4
3 Building Stock.....	4
3.1 Please indicate future construction/renovation projects in your city where effective policy for solar urban planning could be implemented. ....	4
4 Solar Market and Potential .....	4
4.1 Installed solar (thermal/photovoltaic) capacity at local level.....	4

## **1 Political, Legal and economic framework**

### **1.1 Is there a local energy plan or energy strategy in your city? What are the main objectives and targets towards energy efficiency and renewable energies?**

The Thermal Energy Supply Strategy for Giurgiu Town aims at implementing the Thermal Energy Program 2006 – 2013, Quality and Comfort.

The main goals are:

- improving energy efficiency;
- capitalisation renewable energy resources;
- reducing the negative impact of energy system operation on the environment.

### **1.2 Local thermal building regulations and/or building energy certifications.**

One of the results of implementing the project Scoobie Do-Improving The Energy Efficiency And The Management In School / Public Buildings With EC Funding – through ALTENER Program was the emission of energy certificates for basic schools No. 8 and 10 in Giurgiu.

### **1.3 Existing local solar photovoltaics/thermal/renewable obligations.**

The municipality has endorsed the recommendation regarding the use of solar energy in new and existent buildings in Giurgiu.

### **1.4 Financing mechanisms and available subsidies at local level for adopting solar technologies?**

So far, there is none.

## **2 Urban practices framework**

### **2.1 Describe briefly the main criteria on the current urban practices. Explain the political process for developing a legal framework on solar planning guidelines.**

The General Urban Plan of Giurgiu, approved in 2000, is now being updated, while observing the sustainable development criteria of the local administration.

Presently there's only one approved recommendation regarding the use of solar energy in new and existent buildings across Giurgiu Town.

## **2.2 Do you or would you face problems with large exemption categories, e.g. historical buildings or landscape protected areas?**

If a specific bill will exist nationwide, the municipality will have to bear the costs of exemptions for thermal energy payments.

## **2.3 Which are the local stakeholders involved in promoting solar urban planning and what is their attitude towards renewables obligation (e.g. are building companies used to renewables)?**

The interested parties involved in promoting solar urban planning are:

- Giurgiu municipality;
- specialised solar panel mounting companies in Giurgiu.

Nationwide:

- Romanian government;
- solar panel producers;
- solar panel mounting companies.

## **3 Building Stock**

### **3.1 Please indicate future construction/renovation projects in your city where effective policy for solar urban planning could be implemented.**

As for now we're organising meetings and public discussions with all the interested stakeholders.

The intent is to largely use solar panels both for public buildings and associations of block apartment owners. These investments will be done using non-refundable financing through presently running government programs.

## **4 Solar Market and Potential**

### **4.1 Installed solar (thermal/photovoltaic) capacity at local level.**

In the town of Giurgiu there are solar panels mounted on 4 residential blocks at TS 20 and on 2 residential blocks at TS 91. Additionally, a significant number of house and villa owners installed solar panels so far. All of these panels are of thermal type.