

Implantation of local energy strategy a Priority for Paris

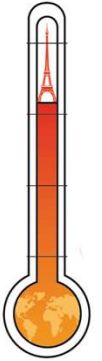
Denis BAUPIN

Deputy Mayor of Paris, responsible for sustainable development,
the environment and the Climate Plan

MAIRIE DE PARIS



A LOCAL ENERGY STRATEGY



Main Goals

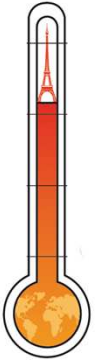
🔹 **REDUCE GHG EMISSIONS**

🔹 **REDUCE DEPENDENCY & VULNERABILITY**
faced with future and current energy crisis

🔹 **FIGHT AGAINST FUEL POVERTY**



A LOCAL ENERGY STRATEGY



Actions

💧 **Consumption : Energy sobriety and efficiency**

- ▶ **Thermal insulation of buildings**
- ▶ **Renovation of street lighting**
- ▶ **Green and efficient transports**

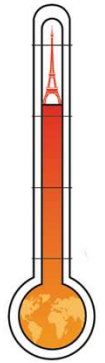
💧 **Production : Relocate energy production with renewables**

💧 **Distribution : smart grid**
development of district heating and cooling network

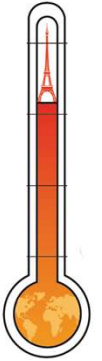


RESULTS OF GREEN MOBILITY

- 🟢 **Public transports + 12%** between 2001 and 2007
- 🟢 **Velib': a great succes**
 - Self-service bicycle hire
 - More than 17 millions of users since 2007
 - extension to adjacent municipalities
- 🟢 **Air Quality**
 - - **25% Car traffic**
 - - **32 % NOx emissions**
 - - **9% CO2 emissions**



THERMAL RENOVATION OF BUILDINGS



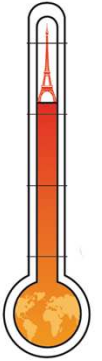
- Thermal refurbishment of **600 public** schools in the Paris area : **Energy Performance Contracts**
- Thermal retrofit of **4,500 social housing units** per year.
Energy Saving : **34.4 GWh** in 2009
- Thermal renovation of **private housings** : Program **COC** : **all the joint ownerships** :
finance 70 % diagnosis cost
+ 20 % national incentive



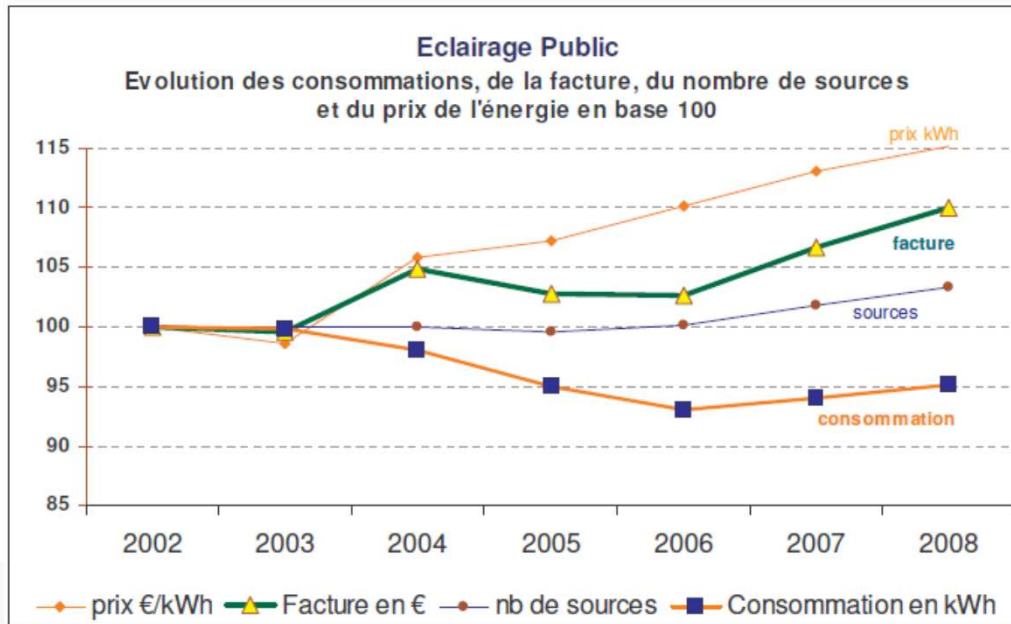
BUiLding Insulation Campaign



PUBLIC LIGHTING



💧 Engagement Climate Plan: **30% reduction of energy consumption by 2020**

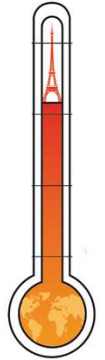


💧 Energy performance contracting :

- Guaranteed results
- Servicing, maintenance and operation
- 46M euros over 10 years

DISTRICT HEATING NETWORK : massive RES supplier

- ▶ 2nd largest network in Europe (1st=Moscow)
- ▶ 5,500 GWh/y (16% of Paris energy needs)



- ▶ Geothermy : heat recovery from ground (60°C)
 - ▶ North East Paris Sector (will cover 50,000 housing by 2011)
- ▶ Replace coal and oil fuel by wood or sludges
 - ▶ 200MW unit by 2014
- ▶ Methane from waste
 - ▶ 3 new plants

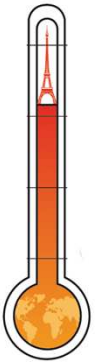


- ▶ Municipal waste incineration
- ▶ Conventional unit
- ▶ Co-generation unit



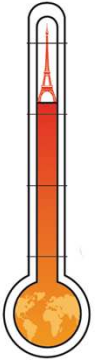
RENEWABLE ENERGY

- 💧 **Solar energy** : 200,000m² plan by 2014
 - Halle Pajol : former plant
 - Clichy-Batignolles : new urban area



- 💧 **Micro-hydraulic on the river Seine** : Research program
- 💧 **Micro wind system** above the buildings roofs
- 💧 **Recover lost energies** : heat from sewers waters, Metro and train stations

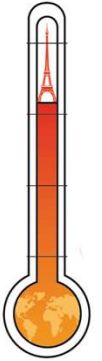
CREATION OF STRUCTURES DEDICATED



- ◆ **Local operators** (public / private) for RES development and third financing
- ◆ **Paris's Climate Agency** : Mobilization of 2 million Parisians, 100,000 buildings, 300,000 companies
 - ▶ **Single Location information** on climate change and energy efficiency
 - ▶ **Partnership** : Region, energy companies, banks, transport company
 - ▶ Center of **technical** and **financial** expertises



More information



[Http://www.planclimat.paris.fr/](http://www.planclimat.paris.fr/)

CONTACT

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მადლობა !

Thank You !

Merci !

MAIRIE DE PARIS

