

National actions for resource efficiency in buildings

SBCI Symposium – June 25th, 2015

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Context

370 000 new housings, 13 M m2 of office and retail space per year.

Energy

43% of final energy consumption : 1st sector.

Climate change

18% of CO₂ emissions : 4th sector after transport, agriculture and industry.

Water

17% of potable water resource use : 2nd use.

Waste

253 million tons of waste per year in building and public works, 15% of which in construction.

New buildings : energy regulations

- Goals : reduce energy demand and costs, improve comfort
- Since 1974, regulations have been a key policy to reduce the impact of new buildings
- The Thermal Regulation of 2012
 - Three performance indicators
 - Bioclimatic need (3 uses) - Bbio
 - Primary energy consumption – Cep < 50 kWh/m2/yr for 5 uses
 - Summer maximum temperature : Tic < Tic ref
 - Means requirements : lighting, thermal bridges, renewable energies
 - Airtightness test
- Great progress has been made : new buildings consume 4 times less energy than the average of the stock.

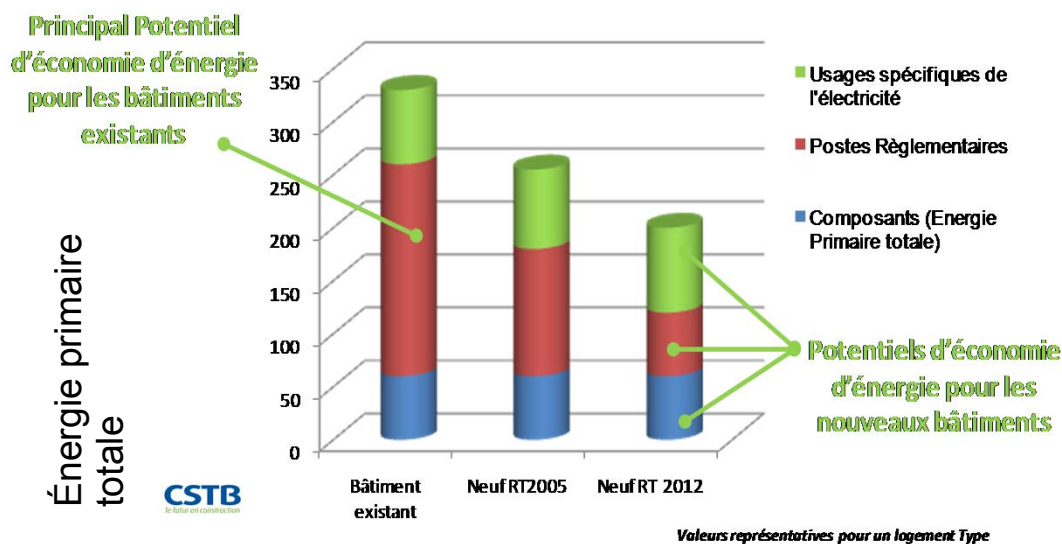


Future steps of environmental regulation in France

In the current bill « Transition énergétique » (being examined by the Parliament), several goals are listed :

- Spread of energy positive buildings and of buildings with a low impact on the environment
- CO2 is going to be taken into account in the future calculations (probably in 2018)

A wide reflexion among stakeholders has just been launched in order to provide an « environmental label » of the building (energy, CO2, waste, water).



The renovation of existing buildings

The national plan for energy renovation of housing :
a policy mix launched in 2013

- Goal : 500 000 renovations vs 300 000 currently, a 1/4 of which in social housing
- To reduce energy costs for the customer, save energy and reduce CO2 emissions
- The tools of the program :
 - Tax incentives, strengthened in 2014
 - Loans at a low rate of interest
 - Free, public advice to the customer in 400 platforms
 - Specific subsidies and counseling for low income households, up to the total of the cost (« Habiter mieux » program)
 - The training of professionals : « RGE »



RGE

Thank you for your attention