

Energy efficiency as the key to energy security, savings and emission reduction: good practices and results achieved.

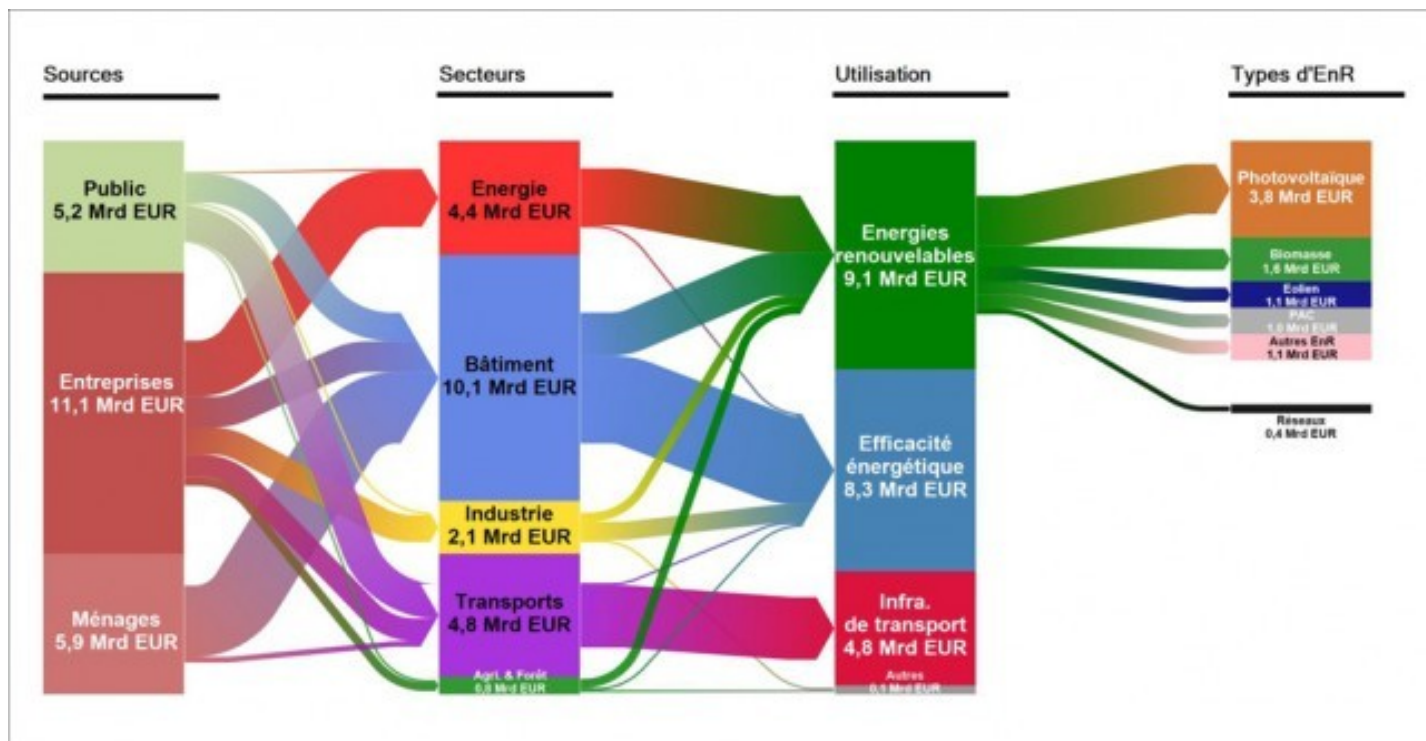
Ellen Wasylina
President, OBGMS
France



Energy initiatives at the national level

Energy efficiency in buildings are the priority for « climate » investments

Source : <http://www.lemoniteur.fr/137-energie/article/actualite/26171125-l-efficacite-energetique-des-batiments-premier-poste-d-investissements-climatiques>



Buildings in first place

First tier : Renovation of buildings for energy efficiency took first place for households, where thermic renovation to optimize energy usage stood at €2 billion.

2nd Tier : The expenditure in minimum energy efficiency quality grew to €13,5 billion HT/€14,2 billions with at VAT of 5,5%., estime la CDC.

3rd Tier : for the DPE (diagnostic for energy performance) for households goes up to € 2,6 billion. To reach the objective of 500,000 homes per year, La Caisse des Dépôts estimates the cost at €7,2 billion.

Businesses

The renovations done by business equals €1,3 billion, divided between residential and commercial buildings (€ 0,8 milliard including €0,7 billion d'éco-PTZ (0% loans) obtained from commercial banks and the rest of BBC renovations) et non residential buildings. (€0,4 billion). d'un label BBC-Effinergie Rénovation, caractérisant des bâtiments à forte performance énergétique.

Investment dedicated to Climate

SECTEUR		INVESTISSEMENT DEDIE AU CLIMAT (Mrd EUR)				
		ENERGIE RENOUVELABLE <i>(Investissement total)</i>		EFFICACITE ENERGETIQUE <i>(Investissement incrémental)*</i>	INFRASTRUCTURE DE TRANSPORT <i>(Investissement total)</i>	NON LIE A L'ENERGIE <i>(Investissement incrémental)</i>
		Génération	Réseaux			
ENERGIE	Réduction d'émission par changement de combustible fossile			0,1		
	Energie renouvelable (grande échelle)	4,0				
	Infrastructure de l'énergie		0,4			
BATIMENT	Résidentiel et tertiaire	3,3		6,7		
INDUSTRIE		0,7		1,4		0,02
AGRICULTURE, DECHETS ET FORET		0,7		0,04		0,1
TRANSPORT	Véhicules bas-carbone			0,02		
	Infrastructure de transport				4,8	
SOUS-TOTAL		8,7	0,4	8,3	4,8	0,1
TOTAL DES SOUS-TOTAUX		22,2				

Public expenses mobilised

Public expenditures for this sector are €2,6 billion. This corresponds to the investments realised by the State and the EU in the form of grants and subsidies (€1,2 billion, of which the CIDDD and FEDER), as well as investments in social housing realised by the Communities and the govt stakeholders (€0,9 billion in new housing and €0,5 billion in renovation). These investments are certainly overestimated, as private stakeholders could not be separated out from public stakeholders.

Public spending in housing

Except FEDER funds, public spending in energy efficiency in the construction sector was allocated as follows : €0,9 billion in new housing and €1,6 billion in the energy renovation. The sums do not include thermal renovation of heritage sites foreseen in Article 5 of the Grenelle Law I.14. In 2011 as this was in the initial stage of the auditing process, it was not included in this study.

New constructions represented investments of €856 million.

Global Resources of the ANRU

Annexe n° 3 : les ressources globales de l'ANRU pour la réalisation de ses programmes (hors PIA et hors PNRU)

depuis 2004 en M€

Crédits programmés Affectation

PNRU 12 000 12 350

PNRU ventilé comme suit : 12 150

Plan de relance 350 Quartiers de catégorie 1* quartiers prioritaires 8 505

Quartiers de catégorie 2* **quartiers supplémentaires** 3 184

Quartiers de catégorie 3* **quartiers complémentaires** 461

PAO 4

88

budget de fonctionnement de l'agence 288

Qualité architecturale 8

produits financiers et autres 76

PNRQAD 150 PNRQAD 150

Collèges dégradés 19 Collèges dégradés 19

Total 12 607 Total 12 607

Tableau Cour des comptes (Source : annexes financières ANRU)

Déterminants de la baisse des émissions de CO2 de l'EU ETS

Analyse des déterminants de la baisse des émissions de CO2 des 1 400 installations du secteur électrique couvertes par l'EU ETS de 2005 à 2012. Les objectifs sont d'évaluer l'efficacité de l'EU ETS et d'estimer l'influence des autres déterminants de la baisse des émissions de CO2 : crise économique, introduction d'énergies renouvelables, efficacité énergétique, prix des énergies, etc.

Partenaires : IFP Énergies nouvelles (IFPEN),
Université Paris-8, Université Paris-Dauphine-
CGEMP : à paraître

Energy initiatives at the municipal/local level

A coordinated urban plan

- 1) Territorial Sustainable
- 2) Local plan of urbanisation (PLU : Plan local d'urbanisation) and Zone of protection for architectural urban and landscape Heritage ZPPAUP (Zone de Protection de Patrimoine architecturale urbain et paysager)
- 3) Quality of Life : cleaning the streets, water and sanitation, upkeep of green spaces;

Gestion des déchets (http://www.ville-senlis.fr/index.php?option=com_k2&view=item&layout=item&id=90&Itemid=45.)

- 4) Environnement : parks, gardens, play areas
- 5) Sustainable Development

Community of Communes

Legally, a Community of Communes is a “public establishment of intercommunal cooperation grouping several communities together. Its objective is to associate several cities into a solidarity space to create common project of development and organisation of this space (*source: article L5214-1 du CGCT*)”

When the Prefect of the Oise created the CC of Senlis in 2009, these communities decided to delegate competencies, written in the statutes of all of the cities and their populations. Pooling together all the competencies give more capacities to the group to share that would have been impossible to each community individually.

Competencies of the CC

- Economic Development
- Tourism
- Layout of the community space
- Protection of and valorisation of the Environment
- Housing Policies and quality of life
- Road service and upkeep
- Construction and upkeep of municipal buildings
- Social action
- Sanitation system

L'ANRU for PNRU

National Agency for Urban Renovation
National Program for Urban Renovation

- Created by a law passed in 2003
- Objectives : concentrate financing on the national level to finance local actions.
- Budget €12,35 billion; investments : €452 million PIA1; €582 for PIA2 (programs for future investments)
- PNRU is being used in 2015 quarters of Priority 1, 95% of which have a convention; 342 quarter of Priority 2, of which 86% where qualified; but only 25% of 453 quarters have a contract.

LANRU for PNRU

- Sustainable Development
- A coordinated urban plan
- Community of Communes
- Competencies of the CC
- L'ANRU for PNRU
National Agency for Urban Renovation
National Program for Urban Renovation

PIA2 and investments

- The Sustainable city of the future
- Financing : €335 millions of which €85 millions of the subsidies will be used in PIA1 to « aim for a very high performance and environmental innovations » and €250 million of own funds for PIA2