



THE FRENCH WHITE CERTIFICATES SYSTEM :

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MAIN RULES (1)



⇒ New actors to **promote and finance** energy savings

- **Energy suppliers** have to meet a target of energy savings.
They can :
 - implement actions **with consumers**
 - **invest on their own property**
 - **buy certificates**
- **Other bodies** (building owners, companies, communities...) can finance energy saving equipments and get certificates.
These actions must **not be “business as usual”**



MAIN RULES (2)



- Obligations are given to **electricity, gas, LPG, heat, cooling and heating fuel** suppliers
- The savings can be made **everywhere** (except plants under CO2 quota Directive) : whatever the sector, the supplier, the energy source...
- Certificates = **discounted \sum savings** during the life time of the investment



FIRST PERIOD



- **2006/2008**
- **Target : 54 TWh (discount rate 6%)**
- **Expected average cost : 10 €/MWh**
(max 20 €/MWh = penalty)



EVALUATING ENERGY SAVED



- **Number of certificates given for each action**
: keep it simple ! = **standardised actions**,
average values, statistics

⇒ **Limit managing costs**

⇒ **Give visibility to the players**



EVALUATING ENERGY SAVED



- **Characterise** consumption as simply as possible
=> heating of homes : **climate zone, number of rooms, age**
- Compared to **what would have happened without certificates** : usually the sale of the average product on the market
=> Don't "waste" certificates



EXAMPLES (1)



BUILDING STRUCTURE

(discounted kWh)		Electricity	Fossile fuels	Coefficient
Roof insulation (per m2)	Without insulation	1234	1955	Climate
	Low insulation	345	564	Climate
Window glazing (per m2)	With simple glazing	665	1075	Climate
	With double glazing	445	710	Climate C



EXAMPLES (2)



(discounted kWh)

CFL (per lamp)	205
Refrigerator A+ (per device)	486
Freezer A+ (per device)	368
Combined A+ (per device)	493
Washing machine A+ (per device)	114



EVALUATING ENERGY SAVED



- **Real savings** are different in specific situations

⇒ **Specific advice** given to the consumers is essential