Overview

• Where am I coming from?
• Small actions
• Big actions
• Where am I today?
First I checked my bills in 2005...
From 73 € in 2005
Actions
Heating...
1. Manage the temperature

- Programmable thermostatic gate
- 19° (gate on 3)
- 16° during the night or out (gate on 2)
- 12° during long absence (gate on 1)

1° less means 7% saving
2. For winter, I maintain the system

- Purge radiators
- Maintain heating system
- Insulate energy hungry elements
- Install reflectors
3. Change lamps

- More expensive
- Last 15* more
- Doesn’t heat

Economical lamp
Consumes 5 times less
4. Switch off electrical devices

- Idle device and chargers are consuming energy
- Use a « mutli-prise », one click and it’s done
- Remove the plug

Stand-by energy can be more than the « working » energy
4. I de-ice my fridge

• Every 3 months
• Stock frozen foods in the oven during de-icing
• De-freeze in the fridge

2mm of white frost augment by 10 % consumption
5. I wash at low temperature

- 30 ° in 40 ° are enough for the modern clothes
- Avoid prewash
- Fill the machine

To cross 90 ° to 40° makes economize 70 %
6. Natural drier

- When it makes sense (summer time)
7. Take short shower

- Economic knob (5L/min by minute instead of 15L/min)
- Several children in the same bath

A bath 130L, a shower 40L
8. Cover pans

- Food cooks more quickly
- Choose good sizes
- Adapt the volume of water
- Cut the heating before the end
- Pasta van start in cold water

The cover makes save 50 % of energy
Bigger investments
New windows

Before

After

K 1.1
W/M²K
Solar panel project

- 9.6 m² of panels (6 panels)
- 1320 Wc Power
- 1100 KWh / year so 60% of household consumption after first cheap actions
- Investment of 8340€ installed in 5h by 4 people
- 100% reimbursed by subsidies.
- Provides 700 € per year of Green certificate (for 10 years)
- Save 300€ of electricity per year
6 solar panels
Others

• Roof insulation done 2002
• Where feasible, insulation of walls on the street side done in 2003
• What’s next?
  • Insulation of the back wall of the house
  • …. But subsidies have been removed…
To 23 € in 2011
Outcomes

Water -60%

Electricity - 80%

Gas -80%

Fuel -40%
P&L 2011

• - 800 € Fuel
• - 270 € Gas & Electricity (300€ saved with solar cells)
• + 700 € Green certificates

• My energy cost … 370€
• House 200 sqm, 2 kids.

• No action would cost me 2400-3000€ for 2011
Questions?

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Energy saving testimonial