

Introduction

The Conseil Général des Côtes d'Armor organised an energy management awareness campaign among a cross-section of its officers between February and April 2013. The aim was to assess the impact of behaviour on energy consumption. Two buildings were selected based on the following criteria: independent meters, representativity of functions and heavy consumers of energy. Some of the specific features of the buildings also show that the methodology and results can apply to various other options.

Methodology

Technical measures: building/IT/other	Awareness-raising measures: Project Manager	Date
1- Carry out an audit of the buildings: retrieve bills for electricity, water, gas and/or fuel oil to be looked at in conjunction with daily temperatures, surface area of the building, year of construction, number of employees, etc.	1- Information from the Campaign Services department and request for their support in involving management staff. Define indicators and establish the steering committee (IT, building, sustainable development and communication).	November - December 2012
2- Purchase useful equipment: recording thermometers/hygrometers, Fludiameters, sub-meters, power meters, portable thermometers/hygrometers and portable power meters	2- Meet with management staff to explain the importance of every officer taking part, including management staff. Set dates for meetings, share the dates of workshops with as many people as possible via displays, emails from management staff, etc.	January 2013
3- Pre-campaign measurements: weekly summary of electricity and gas consumption, data from power meters placed on photocopiers, number of pages copied/printed, daily monitoring of computers being left on, and use of staircases.	3- Draw up actions to be taken with department officers. Meetings of officers within each department in the form of 2 hour workshops and working together to produce an action plan based on the question "what will you do to reduce energy consumption?"	February 2013 During a week of meetings with the different departments. Meetings hosted by the Project Steering Committee.
4- Pre-campaign measurements	4- Draw up an action plan, have this checked by the Project Steering Committee and management staff, and distribute to representatives. Create displays and take the actions of the representatives and Project Steering Committee into account.	1st week of March
5- Take measurements during the awareness-raising campaign using the same parameters	5- Set up displays	2 weeks: 2nd and 3rd weeks of March
6- Take measurements after the awareness-raising campaign using the same parameters		2 weeks: last week of March, 1st week of April.
	7- Summary of the results. Circulate to management to communicate to officers.	2nd and 3rd weeks of April.

Human resources/Material resources

20 days between December 2012 and April 2013 to be shared between the Energy Manager, IT Technician, representatives and Steering Committee, and 16 days for the Project Manager between December and April. It was necessary to purchase some equipment:

- 10 recording thermometers: €2,370, including VAT
- 2 Fludiameters: 2 x €350, including VAT
- 10 thermometers/hygrometers per department: €10 per device.
- 4 sub-meters



Département de Guingamp offices and Gouessant Building

Results

Varies according to department: reduction of electricity consumption of between 3 % and 13 %, depending on the involvement of the department. 9 % reduction in heating consumption; 50 % reduction in the number of computers being left on.

What worked and what didn't work?

- What worked: the workshops, monitoring of meters and the results. Importance of representatives within the departments: close monitoring of the implementation of the action plan.
- What didn't work: communication: plan for two-way communication. Support from management staff.

Sensitive points:

- Complete and unconditional participation of the building service.
- Monitor holidays - these need to be taken into account in the measurements.
- Pay attention to the length of the campaign and the amount of time it takes to present the results.

Conclusion: an awareness campaign requires a great deal of investment and cross departmental team work. It must be monitored over time.

Contact

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