

MARIE TRAINING PROGRAM FOR IMPROVEMENT IN ENERGY EFFICIENCY (EE) OF EXISTING BUILDINGS

F1 | BEST PRACTICES COLLECTION

| | |
|---------------------|---|
| Best Practice Name: | Intelligent Meters to Efficient Decisions |
| Code: | PO_MX_US_04 |

Best Practice Description:

| | | |
|-------|--|--|
| Type: | <input checked="" type="checkbox"/> Action for improvement in the EE | <input type="checkbox"/> Training experience (*) |
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| Description: | <p>This Project, developed under the National PPEC - Plan for Promoting Efficiency in Electricity Consumption 2011-2012, aims to promote the improvement of efficiency in electricity consumption through the awareness of users for their electricity consumption by providing information in real time, and also including raising awareness and dissemination of good practice in energy efficiency.</p> <p>This Project promotes dwellers behavioral change through the installation of telemetry systems that allow the visualization of the electricity consumption profile via local displays and internet platforms (250 residences, and 10 service buildings). 250 dwellings will be in this study and a special effort will be developed in support to consumers based on analysis of personal consumption profile.</p> <p>The monitoring of the 250 residences with smart meters consists of:</p> <ul style="list-style-type: none"> -Organization of workshops and other initiatives for debate and clarification of doubts; -Ongoing technical support to answer questions, assist on the analysis of consumption and propose measures to reduce it; -Provision of support arrangements, enabling the receipt of monthly reports with consumption data with a 15min time step and performance graphics; -Possibility of participation in a consumption competition between users with consultation of the developments in the respective ranking; -Participation in an online discussion forum in order to share information and experiences. <p>With the installation of the smart meters in each of the 10 participating services buildings, it is intended that the energy managers or employees at these companies know the consumption breakdown in the building. This knowledge makes it possible to identify and act the actual sectors with unnecessary energy consumption.</p> <p>At the end of this project, we expect to establish a manual of best practices in energy efficiency with the gathered information. Lisboa E-Nova hopes to know more about the potential of smart metering in the residential sector and services, while enhancing the level of consumer information, as well as its decision-making in their energy choices.</p> |
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| Location: | Lisbon | | Country: | Portugal | |
| Contact (team): | <i>Francisco Gonçalves - Project Management</i> <i>Lisboa E-Nova – Agência Municipal de Energia – Ambiente de Lisboa</i> <i>Address: Rua dos Fanqueiros, 38 - 1º Lisboa Portugal 1100-231 Lisboa</i> <i>Tel: 00 351 218 847 010</i> <i>E-mail: franciscogoncalves@lisboaenova.org</i> <i>web @http://lisboaenova.org/index.php</i> | | | | |
| Type of building: | <input type="checkbox"/> Tertiary | <input type="checkbox"/> Residential | <input checked="" type="checkbox"/> | Mixed | |
| Property: | <input type="checkbox"/> Public | <input type="checkbox"/> Private | <input checked="" type="checkbox"/> | Mixed | |
| Management: | <input type="checkbox"/> Public | <input type="checkbox"/> Private | <input checked="" type="checkbox"/> | Mixed | |
| Fields of action: | <input type="checkbox"/> Construction | <input type="checkbox"/> Maintenance | <input checked="" type="checkbox"/> | Use | |
| | <input type="checkbox"/> Energy generation and distribution | | <input type="checkbox"/> | Other | |
| | <input type="checkbox"/> Replacement or implementation of renewable energies | | <i>Which ones?</i> | | |

Please, evaluate if the following processes take place in the Best Practice that you are describing in this form:

| | Yes | No |
|---|-------------------------------------|-------------------------------------|
| The data collection has been complete and rigorous | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Communication and awareness processes have been developed to disseminate this practice | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Training actions have been provided | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Product and services have been improved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Jobs have been created | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sustainable financial models have been applied | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Agreements or collaboration models have been defined between parties | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Positive impact tested in the following fields (add quantitative data if you have):

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| ENERGY EFFICIENCY IMPROVEMENT (EE) | Through the experience we had so far, the "training" that we can provide, is related to the monitoring that has been done with the participants (described above), which has been proved an important asset, since the installation of meters by themselves does not guarantee an increase in energy efficiency. However, it is still impossible at this stage to quantify the results obtained |
| FINANCIAL COVERAGE | Project carried out under Efficiency in Electricity Consumption Promotion Plan, sponsored by ERSE. |
| EMPLOYABILITY POTENTIAL | Two jobs were created |
| OTHER | |
| DIFFICULTIES | Malfunction of the equipment itself, which are under constant development. Strong demand for a communications job in order to maximize the good results of the project. |

Agents involved in this experience:

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Legislation agencies |
| <input checked="" type="checkbox"/> | Public promoters |
| <input checked="" type="checkbox"/> | Private promoters |
| <input type="checkbox"/> | Technical public institutions |
| <input type="checkbox"/> | Technicians of the private sphere (professional associations ...) |
| <input type="checkbox"/> | Builders |
| <input type="checkbox"/> | Industrial |
| <input type="checkbox"/> | Facility Managers (property managers, cleaning companies ...) |
| <input type="checkbox"/> | Energy supply companies |
| <input checked="" type="checkbox"/> | Users/owners (homeowners association, schools ...) |
| <input type="checkbox"/> | Other: |
| GAPS | |

(*) **RR_BB_FF_NN**

RR Country: **CY** (Cyprus), **FR** (France), **GR** (Greece), **IT** (Italy), **MA** (Macedonia), **MT** (Malta), **PO** (Portugal), **SL** (Slovenia), **SP** (Spain)

BB Type of building: **RE** (residential), **TE** (tertiary), **MX** (mixed)

FF Field of action: **CO** (construction), **MA** (maintenance), **US** (use), **EN** (energy generation and distribution), **OT** (other)
(in case of affecting more than one field of action choose the most relevant)

NN Number of the practice: **01, 02, 03...**