



Replacing heating boilers with biomass boilers

Diputació de Barcelona



Replacing old boilers for biomass ones

Objectives

1. Reduce GHG emissions from thermal uses in municipal buildings and facilities
2. Use a renewable own source to reduce energy dependence
3. Reduce energy costs
4. Enhance local economy, reduce forest fire risk

Biomass boilers will be replaced when the boilers to be replaced are old enough, in order to have a better feasibility. It is of special interest to replace heating oil or LPG boilers. Natural gas ones which consume over 200.000 kWh/year

<http://www.mayorsinaction.eu>



2. Methodology: Steps of implementation and Tools

DIBA, within the REDIBA-ELENA project has helped LGs implementing biomass boilers and small biomass district heating systems

- (1) LG asks for support to DIBA through our website. Previously it is recommended that the municipality has talked with our technicians
- (2) DIBA, in case there hasn't been a previous contact, contacts with the LG.
- (3) Asks a minimum set of data on the buildings involved: urface, energy consumption, sources, foreseen uses of the building/s...
- (4) A first quick feasibility analyses is made in order to see if that replacement will have a reasonable payback.
- (5) The municipality decides if the project will be implemented. If so:
- (6) DIBA pays the executive projects and the businessstudies to see which is the best way to finance and develop the project
- (7) The LG, with DIBA's assessment, decides how to carry on the project.
- (8) DIBA can give support to the LG helping in the drafting of the tenders that can be either for a standardized public procurement or maybe to have a third part fincing (PPP).





Pàgina d'inici

La Diputació de Barcelona posa a la vostra disposició el Portal de Tramitació, destinat a facilitar la tramitació electrònica i seguiment de les sol·licituds dels ens locals i altres administracions.

Avisos

Catàleg de serveis 2014 (31/01/2014 - 31/12/2014)

1. LG ask for support. A first questionnaire is sent to them



2. Questionnaire assessment by the REDIBA team



3. First meeting with the LG



4. Commitment letter of the Mayor so they will carry out the resulting project



5. Contracting specific studies or direct support by REDIBA technicians



3. Actors of the process -Roles

Covenant coordinator: DIBA. DIBA pays the necessary studies and gives the specific technical and economical assessment for the project being implemented

Local governments: They are the ones that will implement the project. They are the ones asking, formally, for our support, they must commit in developing the project and the ones financing it or the tender responsible.

Private sector: They are the ones making offers for the tenders and so executing the projects



Some examples:

Vilafranca del Penedès, les Masies de Roda, Vilanova de Sau, Sitges, Tiana; Aiguafreda, Vic, Caldes de Montbui and so on up to 39 municipalities in the province of Barcelona.

Thanks to the ELENA facility, REDIBA project, 39 studies have been drafted which have turned into more than 5.9€ in investment.



THANK YOU

