

Title of the measure:	SPA40- PAREER-CRECE Programme (Aid Programme for Energy Rehabilitation in Buildings in the Household and Hotel Sectors)
------------------------------	--

General description

The Ministry of Industry, Energy and Tourism through the Institute for Energy Diversification and Saving (IDAE) has launched a specific aid and financing programme amounting to €200 million so as to encourage and promote the implementation of reform measures enhancing energy conservation, improving energy efficiency, the use of renewable energy and reducing carbon dioxide emissions in existing buildings, regardless of their use and the legal nature of the owners; and also to help achieve the objectives set out in Directive 2012/27/EU on energy efficiency, and in Action Plan 2014-2020.



The actions are to fit one or more of the following typologies:

1. Improvement of the thermal envelope energy efficiency.
2. Improvement of energy efficiency in thermal and lighting installations.
3. Replacement of conventional energy for biomass in thermal installations.
4. Replacement of conventional energy with geothermal energy in thermal installations.

The actions subject of this aids are to improve the total energy rating of the building by at least one letter on the carbon dioxide emission scale (kg CO₂/m² year) as compared to the initial energy rating of the building.

Eligible beneficiaries of the aids from this Programme are:

- Natural and legal persons, owners of residential and hotel buildings.
- Associations of property owners or Associations of residential-building property owners.
- Owners of single-family houses or sole owners of residential buildings.
- Energy service companies.

All types and beneficiaries are entitled to receive a money allowance without consideration, supplemented with a refundable loan. The amount of the direct aid to be allocated shall be the sum of the Base Aid and the Extra Aid. The additional aid up to the top amount to be received will depend on the following criteria:

Social criteria: actions to be carried out by the relevant body in the Regional Government in buildings classified as public housing and subsidized housing under the Special Scheme; or actions taken in residential buildings located in areas of buildings Urban regeneration and renewal, in compliance with the State Plan for Development of Rental Housing, the Rehabilitation in Buildings and Urban Renewal and Regeneration 2013-2016.

b) Energy efficiency: actions to upgrade the energy rating of the building to achieve "A" or "B" energy rating in the CO₂ emission scale, or else, actions to upgrade the initial energy rating by two letters.

c) Comprehensive Performance: simultaneous actions combining two or more action types.

TYPE OF ACTION	BUILDING USE	MONEY ALLOWANCE WITHOUT CONSIDERATION					
		BASE AID	% ADDITIONAL AID				
			Social Criteria	Compreh. Action	Energy Efficiency		
"A" Final Rating	"B" Final Rating	Two-letter Upgrade or Higher					
Upgrade of the energy efficiency in the thermal envelope.	Household	30% (limit 6 000 €/household)	15%	20%	15%	10%	5%
	All other uses		0%	20%	15%	10%	5%
Upgrade of energy efficiency in thermal & lighting installations.	Household	20%	0%	0%	10%	5%	0%
	All other uses		0%	0%	10%	5%	0%
Replacement of conventional energy by thermal biomass in building thermal installations	Household	25%	5%	10%	0%	0%	0%
	All other uses		0%	10%	10%	5%	0%
Replacement of conventional energy by geothermal energy in building thermal installations	Household	30%	10%	15%	0%	0%	0%
	All other uses		0%	15%	10%	5%	0%

Aid may be requested during the period from the day following the publication of this resolution in the Official State Gazette on 31 December 2016. Notwithstanding the above, should there be any budget surplus at the completion date of the programme, and the evolution of applications makes it advisable, the former deadline could be extended until no later than 31 December 2020.

Impact evaluation

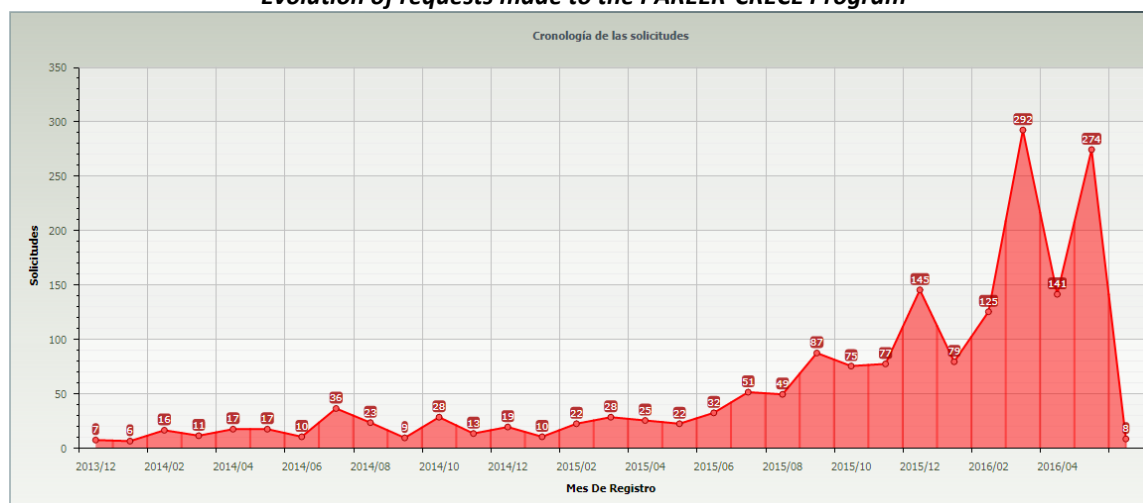
It is expected that the implementation of PAREER Programme should have a favourable impact, both from the point of view of saving and energy efficiency improvement, and on the exploitation of renewable energies in the buildings of the residence and hotel sector.

Means and outputs

The PAREER-CRECE program has received a total budgetary endowment of € 200 M.

The program closed on May 5, 2016, when the request for assistance surpassed the €200 M of assistance that was assigned to the program by 35%. The PAREER-CRECE program has achieved a total of 2,488 applications that imply €269 M of aid, surpassing the expected budget by 35%.

Evolution of requests made to the PAREER-CRECE Program



Source: IDAE

To this day, 1,436 requests representing a volume of assistance of € 172,519,993 have been approved. The majority of the requests submitted fall within the category of actions on the thermal enclosure of buildings - 85.2% - whereas the remainder falls within the other categories of improvements to the efficiency of thermal facilities (11.5%) and the replacement of conventional energy with renewable sources (3.3%).

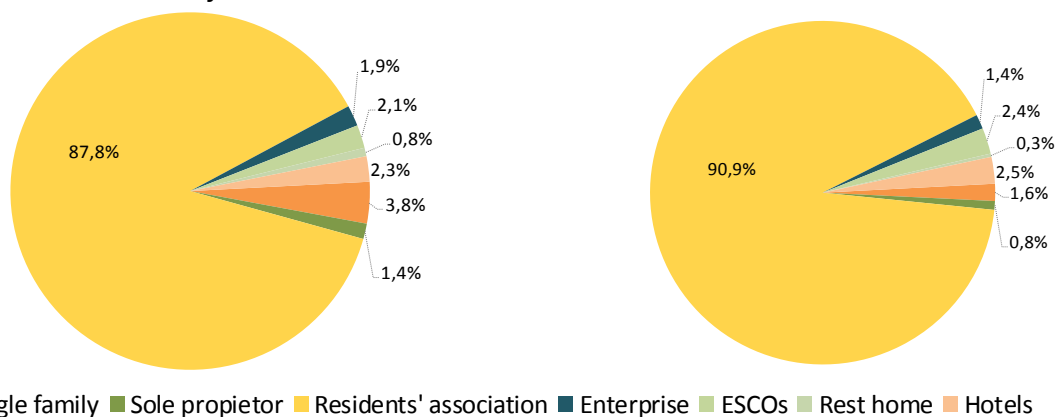
Assistance granted by type of action in the PAREER-CRECE Program

Type of action	Budget (€)	Number of requests	Eligible cost (€)	Funding (€)
1 - Energy-related renovation of thermal enclosures		1,223	245,298,486	151,040,858
2 - Improvements in the energy efficiency in thermal and lighting facilities		165	28,513,944	16,631,100
3 - Substitution of conventional energy by biomass in thermal facilities		34	10,241,261	4,242,925
4 - Substitution of conventional energy by geothermal energy in thermal facilities		14	1,925,759	605,111
	200,000,000	1,436	285,979,450	172,519,994

Source: IDAE

87.8% of beneficiaries correspond to apartment buildings, which have made up for 90.9% of assigned assistance. It is followed by detached houses, energy service companies and hotel facilities that make up for 8.1% of beneficiaries and 6.6% of processed assistance.

Distribution of requests and assistance by type of beneficiaries in the PAREER-CRECE Program



Source: IDAE

Requests that have been approved to this day (1,436) imply an improvement to the energy efficiency of 41,119 houses, 33 hotels and 11 homes for the elderly and a total of 4,333,000 m² of total surface area.

The assistance assigned to the approved requests is spread across 44% base aid, 4.1% additional aid and 51.9% that corresponds to reimbursable loans. Out of the additional assistance that was distributed, 52.6% corresponds to social criteria, 41.4% to integrated actions and the remaining 6% to energy efficiency criteria so that a renovated building may increase its energy efficiency category by two letters up to letters A or B.

The total assistance that has been approved so far implies the mobilisation of nearly € 286 M of eligible investment.

A new call for this program, called PAREER-II shall be published shortly. It will be endowed with € 125,658,000 M from the National Energy Efficiency Fund.

Data about energy savings

The assessment of impact in energy terms of the PAREER-CRECE Program has been estimated within the context of the National Energy Efficiency Action Plan (NEAP 4), which was delivered to the European Commission in April 2017, based on the savings calculated in 2014 and 2015, considering actions that were implemented since the program was launched until then.

Over the course of this period, 110 projects for improvements in energy efficiency to buildings were approved in 2014, as well as another 223 that were counted in 2015. Out of these projects, an improvement of 30% in energy efficiency is sufficient to raise the energy rating of the building by more than 2 letters measured on the CO₂ emissions scale pursuant to Royal Decree 235/2013, of April 5, whereby the basic proceedings for the certification of the energy efficiency of buildings is approved.

The table below displays savings arising from actions launched during the years 2014 and 2015 and their equivalence in cumulative terms until the year 2020.

Final energy savings (ktoe) 2014-2020			
PAREER-CRECE program	Final energy savings (ktoe/year)		Cumulative savings, 2020 (ktoe)
	2014	2015	
	2.02	4.34	40.23

It is expected that actions implemented since the approval of requests submitted after 2015 will lead to greater savings.

Evaluation of the energy savings

Pursuant to Annex V, section 4 of Directive “Notification of methodology” to notify the fiscal measures, the Member States shall notify the Commission, by 5 December 2013 at the latest, the methodology to apply for the purposes of article 7, section 9, and or article 20, section 6 of Directive 2012/27/EU. As regards this measure, the calculation methodology to establish the savings from this measure will be based on **detailed engineering estimates**.

Other indicators evaluated

Expected savings are equivalent to avoided emissions of 116.77 kt CO₂/year over the 2014-2020 period.

PAREER-CRECE program	CO ₂ emissions avoided (Kt CO ₂ /year)		
	2014	2015	2014-2020
	5.78	12.72	116.77

Interaction of measures

- CER (Energy Performance Certificate for Buildings) (SPA52)
- Technical Building Code (SPA40)
- “Revised” Regulation of Thermal Installations in Buildings (SPA41)

Historical data

Directive 2010/31/EU of the European Parliament and the Council of 19 May 2010, relating to energy efficiency in buildings, urge the Member States to adopt the necessary measures to ensure energy efficiency in buildings or in their renovated parts when important renovation works take place, and that minimum energy efficiency requirements are met,

References

- Technical Building Code, Ministry of Housing, Royal Decree 314/2006, dated on 17th March 2006,
- Basic Procedure for the Energy Efficiency Certification of Newly-Built Buildings, Royal Decree 47/2007, dated on 19th of January 2007,
- Regulations on Building Heating Installations, Ministry of Industry, Tourism and Trade, July, 2007, Royal Decree 1027/2007, dated on 20th July 2007,
- Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC,
- Basic Procedure for the Energy Efficiency Certification Buildings, Royal Decree 235/2013, dated on 5th of April 2013,
- Royal Decree 233/2013, of 5 April, regulating the State Plan to promote rented housing, building renovation and urban renewal and regeneration 2013-2016,
- Law 8/2013, of 26 June, on urban renewal and regeneration,
- Ruling of 25 September 2013, of the Secretariat of State for Energy, publishing Ruling of 25 June 2013, of the Management Board of the Institute for Energy Diversification and Saving, which sets out the regulatory bases and the aid scheme announcement for the energy rehabilitation of the existing buildings in the residential sector,
- Ruling of 9 September 2013, of the Institute for Energy Diversification and Saving, supplementing Ruling of 25 June 2013, of the Management Board, which sets out the regulatory bases and the aid scheme announcement for the energy rehabilitation of the existing buildings in the residential sector,
- Resolution of 28 April, 2015 of the Institute for Energy Diversification and Saving, publishing Resolution of 24 March, 2015 of the Board of Directors, modifying the regulatory bases; and call for the aid programme for the energy rehabilitation of existing buildings in the residential sector (housing and hotel uses),
- <http://www.idae.es/ayudas-y-financiacion/programa-de-ayudas-para-la-rehabilitacion-energetica-de-edificios-existent>