REPORT OF GOOD PRACTICES.

CHANGE OF LUMINAIRES AND TRANSFORMATION TO SOLAR ENERGY IN SPORTS CENTERS AND FOOTBALL STADIUM

The Town Hall of Estepona presents as a good practice the integral energy rehabilitation of several municipal buildings of EsteponaTown Hall .

This transformation has been carried out in 4 municipal buildings: in the Francisco Muñoz Pérez Football Stadium, in La Lobilla Sports Center, in La Viña Sports Center and in El Carmen Sports Center.
The football stadium and the municipal sports centers, located in different parts of the municipality, are public buildings of great interest to citizens because they represent sites for the promotion of leisure and sport. For this reason, it is important that the facilities of the buildings have to be maintained in good condition and comply with current regulations.

This action has managed to reduce the energy consumption and CO2 emissions produced by these municipal buildings, resulting in greater comfort for citizens during the use of sports facilities.

The lighting of all buildings has been renewed by LED technology luminaires. Solar panels have also been installed for the air conditioning of the spaces giving access to hot water.
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A total of 772,768.15€ has been invested in this action, with a FEDER grant of 656,852.92€ being the impact of the action of more than 47,696 m2 rehabilitated and with an energy saving greater than 162,069 kWh / year of annual energy savings in electricity consumption.

THE ACTION HAS BEEN CONVENIENTLY SPREAD AMONG BENEFICIARIES, POTENTIAL BENEFICIARIES AND THE PUBLIC IN GENERAL.

The action has been suitably diffused among the potential beneficiaries and the general public. To this end, the Estepona Town Hall has installed a temporary banner during the works, and has installed a permanent plaque in order to highlight the key role of FEDER funds for the execution of the proyect.
In addition, the City Council carried out an information campaign of the action co-financed by the FEDER through press releases, in the FEDER web site created by the Town Hall (https://feder.estepona.es/) and social networks.

https://feder.estepona.es/23-12-2020-el-ayuntamiento-concluye-el-
https://wwwdiariosur.es/marbella-estepona/ayuntamiento
plan-de-eficiencia-energetica-en-tres-instalaciones-municipales
rehabilitara-energeticamente-20190626000416-ntvo.html
-eliminando-mas-de-127-toneladas-de-co2-y-ahorrando-36-777-
euros
-anuales/

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El Ayuntamiento de Estepona rehabilitará energéticamente cuatro edificios

Entre otras actuaciones se sustituirán los focos y luces por iluminación LED en el Muñoz Pérez, Las Viñas, El Carmen y el centro Padre Manuel

Other dissemination actions have also been carried out, such as the issue of a Promotional Video about the action, the permanent placement of a plaque and the broadcast of 450 radio spots on local and regional radio stations such as Onda Cero and Cope in the years 2021 and 2022.

Permanent plates placed in the facilities

Link to the promotional video

https://television.estepona.es/adjudicadas-las-obras-de-eficiencia-energetica-en-el-estadio-francisco-munoz-perez/

The printing and distribution of 2,500 information leaflets have also been distributed among citizens and the dissemination of the communication campaign on digital screens installed in the municipality. Information leaflet Dissemination of the actions on digital screens installed in different parts of the municipality.

Information leaflet

Dissemination of the actions on digital screens installed in different parts of the municipality.

THE ACTION INCORPORATES INNOVATIVE ELEMENTS

The energy rehabilitation that has been carried out in the municipal sports facilities incorporates innovative elements, both in the new equipment and elements installed that allow greater energy and ease energy savings, as in the materials used, more resistant and efficient.

For the installation of heating, a new boiler has been installed for the domestic hot water (DHW) system. This new boiler will allow to produce hot water, mainly, for changing rooms, public toilets and bars, using less electrical energy and achieving greater action.

The change of luminaires has replaced the old sports spotlights and non-sports luminaires with others of LED technology, giving the buildings a renewed appearance and allowing greater savings in the consumption of electrical energy.

On the other hand, air conditioners have been replaced by others that incorporate a technology that allows each of the spaces of the buildings to be air-conditioned individually and, therefore, obtain higher yields.

ADEQUACY OF THE RESULTS OBTAINED WITH THE ESTABLISHED OBJECTIVES

The City Council of Estepona bets for a greater energy efficiency in municipal buildings and for the development of zero or near-zero consumption projects, contributing to the strategic objectives of the European Union and, particularly, of the FEDER funds.

The energy rehabilitation of municipal sports facilities has contributed to these objectives, keeping the conditions of the buildings updated to the current applicable regulations and reducing electricity consumption and CO2 emissions. In addition, with the installation of more efficient luminaires and better equipment, economic savings have been achieved for the Town Hall, which will be able to increase its expenditure on the conservation and improvement of public spaces.

Having acted in public spaces and having improved the conditions of municipal buildings, it is now more appealing for citizens to carry out sports and leisure activities in the football stadium and sports centers of the city. Greater promotion of physical activity and leisure has a positive impact on the health of the Estepona population.

CONTRIBUTION TO THE RESOLUTION OF A PROBLEM OR WEAKNESS DETECTED IN THE TERRITORIAL SCOPE OF EXECUTION

A couple of years ago, the Estepona Town Hall has carried out a full reform of the football stadiums of the municipality. This reform consisted of the improvement of the whole sports facilities as a new equipment, new porter's lodge and nets, restitution of artificial turf,etc.

However, the reforms did not include the energy rehabilitation of these, in particular, the municipal stadium Francisco Muñoz Pérez.

The public sports buildings (Francisco Muñoz Pérez Stadium, El Carmen Sports Center, La Lobilla Sports Center and La Viña Sports Center) presented an energy rating and conditions in the efficiency of the buildings that could be greatly improved.

Thanks to this action, public sports buildings in Estepona have been able to comply with current directives on energy efficiency and even contribute to the European objectives for the year 2030.

HIGH DEGREE OF COVERAGE OF THE TARGET POPULATION

The buildings where the energy rehabilitation has been carried out are inherently public, so they can be used by the entire Estepona population. For this reason, energy rehabilitation has a direct impact on its more than 67,000 inhabitants.

In addition, as they are sports facilities that host teams from other municipalities, coverage is also given to visitors who come every year to hold matches, tournaments and competitions.

CONSIDERATION OF THE HORIZONTAL CRITERIA OF EQUAL OPPORTUNITIES AND NON-DISCRIMIANTION, AS WELL AS SOCIAL RESPONSIBILITY AND ENVIRONMENTAL RESPONSIBILITY.

The full rehabilitation of public sports facilities contributes of respecting the principles of equal opportunities, non-discrimination and accessibility. Energy rehabilitation is a priority and an opportunity for the entire population of Estepona since it allows the conservation of the buildings state and their use by the population with limited resources for physical activity.

Rehabilitation actions in buildings are, by nature, respectful for environmental sustainability and sustainable development, reducing the environment impact of the renewable energy and energetic poverty. The rehabilitation carried out will not only generate savings, but will also improve the quality of life of citizens.

SYNERGIES WITH OTHER POLICIES OR INSTRUMENTS OF PUBLIC INTERVENTION

The change of luminaires and transformation to solar energy in sports centers and football stadium has synergies with the Aid Program for the Energy Rehabilitation of Existing Buildings(PAREER-CREC Program), managed by the IDAE and the Incentive Program for the Energy Rehabilitation of Buildings (PREE) of the Junta de Andalucía, for the rehabilitation of all buildings. The action is also connected to the rehabilitation of the Padre Manuel cultural center, which will also be improved with the help of the FEDER.

In accordance with European guidelines, the action contributes to comply with Directive 2012/27/EU on energy efficiency and, at national level, the National Energy Efficiency Action Plan (PNAEE 2014-2020), as well as with the Law on urban rehabilitation, renovation and regeneration and the State Plan for rental and Rehabilitation . At the municipal level, the action will contribute to comply with the recently approved Ordinance for the Conservation and Rehabilitation of plots and buildings, which will improve the

safety and aesthetics of the city.